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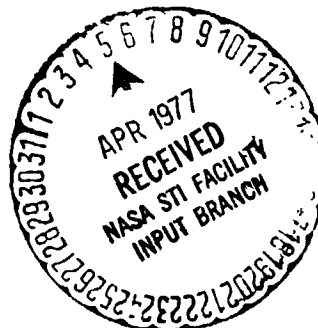
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DATA FOR NASA'S AVE V EXPERIMENT:
25 MB SOUNDING DATA AND SYNOPTIC CHARTS

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February 1977

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*George C. Marshall Space Flight Center
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16. ABSTRACT <p>This report describes the AVE V Experiment and presents tabulated rawinsonde data at 25-mb intervals from the surface to 25 mb for the 23 stations participating in the experiment. Soundings were taken between 0000 GMT, June 11, and 1200 GMT, June 12, 1976. The methods of data processing and accuracy are briefly discussed. An example of contact data is also included.</p>					
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TABLE OF CONTENTS

	Page
LIST OF FIGURES	iv
LIST OF TABLES	v
I. Introduction	1
II. The AVE V Experiment	1
III. Discussion of Basic Data	1
A. Collection	1
B. Methods of Processing	5
IV. Discussion of Sounding Data	5
A. Accuracy Estimates	5
B. Tabulated Data	6
V. Synoptic Charts	14
REFERENCES	14
 Sounding Data	 21
0000 GMT, 11 June 1976	21
1200 GMT, 11 June 1976	45
1500 GMT, 11 June 1976	69
1800 GMT, 11 June 1976	93
2100 GMT, 11 June 1976	117
0000 GMT, 12 June 1976	141
0300 GMT, 12 June 1976	164
1200 GMT, 12 June 1976	187

LIST OF FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page</u>
1	Rawinsonde stations participating in the AVE V Experiment	3
2	Synoptic chart for the surface at 0000 GMT, 11 June 1976	16
3	Synoptic chart for the 700-mb level at 0000 GMT, 11 June 1976	17
4	Synoptic chart for the surface at 1200 GMT, 12 June 1976	18
5	Synoptic chart for the 700-mb level at 1200 GMT, 12 June 1976	19

LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page</u>
1	Summary of AVE Experiments	2
2	Rawinsonde Stations Participating in AVE V Experiment	4
3	Example of Contact Data	7
4	Explanation of Column Headings of Tabulated Sounding Data for the AVE V Experiment	11
5	List of Soundings Not Taken in the AVE V Experiment	12
6	Soundings Terminated Before Completion	13

Technical Memorandum X-73370

DATA FOR NASA'S AVE V EXPERIMENT:
25-MB SOUNDING DATA AND SYNOPTIC CHARTS

I. Introduction

This report contains data and information about the fifth of a series of Atmospheric Variability Experiments (AVE). The dates and times of the other experiments are detailed in Table 1.

The AVE experiments were conducted for the purpose of studying atmospheric variability with emphasis on spatial and temporal changes in structure of the atmosphere that could be determined from soundings taken at 3-h intervals and that would not be reflected in soundings taken at 12-h intervals (Fucik and Turner, 1975). Studies have shown significant variability and changes in atmospheric structure from the 3-h data not present in the 12-h data (Scoggins et al., 1973; Overall and Scoggins, 1975; and Wilson and Scoggins, 1975).

The data reduction program and an error analysis have been presented by Fuelberg (1974). In addition, error estimates taken from Fuelberg's report are presented in Section IV.

II. The AVE V Experiment

Twenty-three rawinsonde stations participated in the AVE V experiment. These stations are shown in Fig. 1 and listed in Table 2. Soundings were taken at eight time periods—June 11 at 0000, 1200, 1500, 1800, 2100, and June 12 at 0000, 0300, and 1200 GMT.

III. Discussion of Basic Data

A. Collection. Original information from which sounding data were computed was sent to the Aerospace Environment Division, NASA Marshall Space Flight Center (MSFC), Alabama. Texas A&M University personnel ex-

Table 1

2

Summary of AVE Experiments

<u>Experiment</u>	<u>Dates</u>	<u>Observation times (GMT)</u>	<u>Data Reports</u>
AVE I	19-22 February 1973	2/19 - 00, 03, 06, 09, 12, 15, 18, 21 2/20 - 00, 13, 16, 19, 12, 15, 18, 21 2/21 - 00, 03, 06, 09, 12, 15, 18, 21 2/22 - 00, 03, 06, 09, 12, 15, 18, 21 2/23 - 00	Scoggins and Smith (1973a and b)
AVE II	11-12 May 1974	5/11 - 12, 15, 18, 21 5/12 - 00, 03, 06, 09, 12	Scoggins and Turner (1974) Fuelberg and Turner (1974)
AVE III	6-9 February 1975	2/6 - 00, 06, 12, 15, 18, 21 2/7 - 00, 06, 12	Fuelberg and Turner (1975)
AVE IV	24-25 April 1975	4/24 - 00, 06, 12, 15, 18, 21 4/25 - 00, 06, 12	Fucik and Turner (1975)
AVE V	11-12 June 1976	6/11 - 00, 12, 15, 18, 21 6/12 - 00, 03, 12	This report

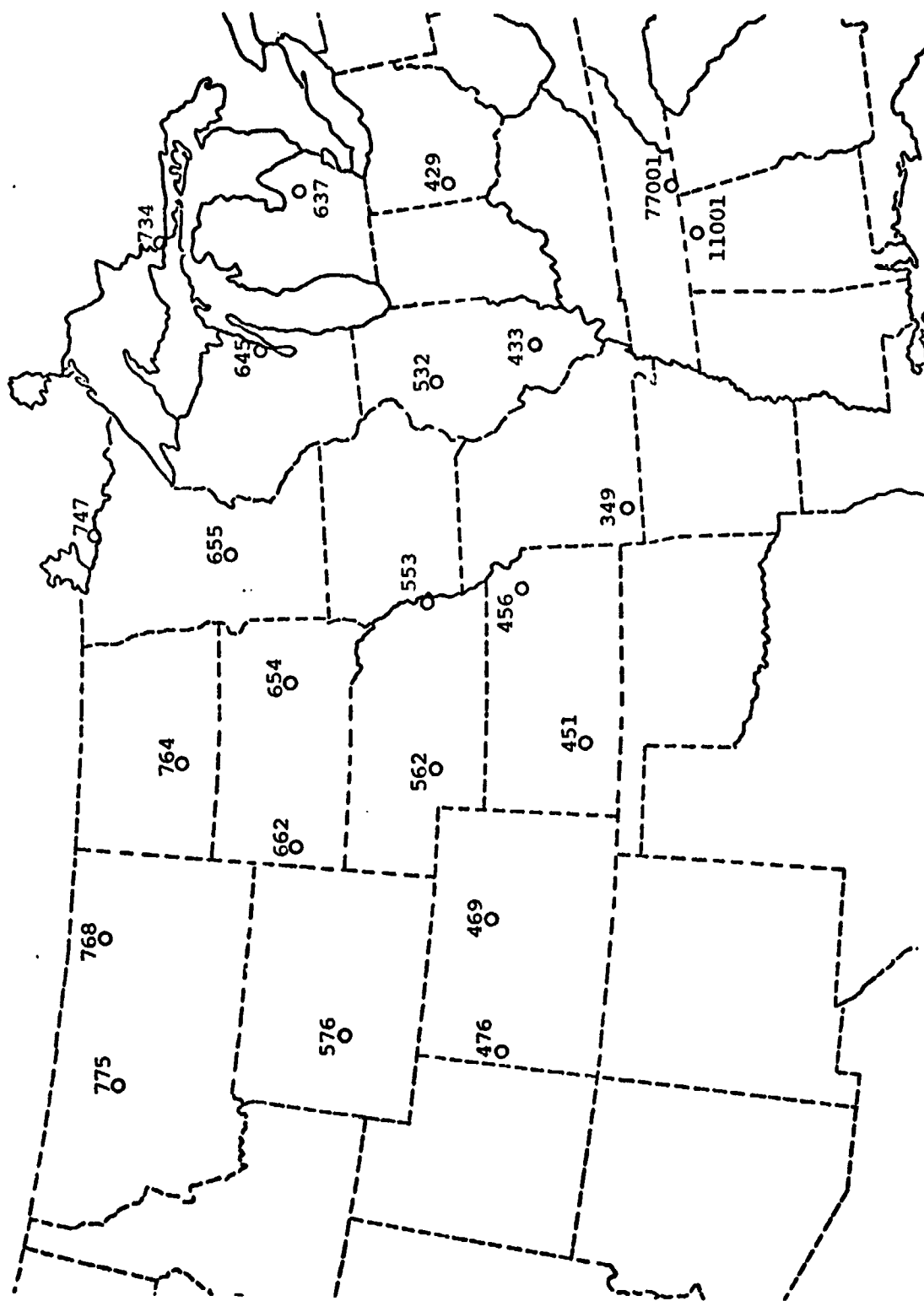


Fig. 1. Rawinsonde stations participating in the AVE V Experiment.

Table 2

Rawinsonde Stations Participating in AVE V Experiment

<u>Station Number</u>	<u>Location</u>
349 (UMN)	Monett, Missouri
429 (DAY)	Dayton, Ohio
433 (SLO)	Salem, Illinois
451 (DDC)	Dodge City, Kansas
456 (TOP)	Topeka, Kansas
469 (Den)	Denver, Colorado
476 (GJT)	Grand Junction, Colorado
532 (PIA)	Peoria, Illinois
553 (OMA)	Omaha, Nebraska
562 (LBF)	North Platte, Nebraska
576 (LND)	Lander, Wyoming
637 (FNT)	Flint, Michigan
645 (GRB)	Green Bay, Wisconsin
654 (HON)	Huron, South Dakota
655 (STC)	St. Cloud, Minnesota
662 (RAP)	Rapid City, South Dakota
734 (SSM)	Sault Ste. Marie
747 (INL)	Intl. Falls, Minnesota
764 (BIS)	Bismarck, North Dakota
768 (GGW)	Glasgow, Montana
775 (GTF)	Great Falls, Montana
11001 (MFS)	Marshall SFC, Alabama
77001 (TSI)	University of Tennessee

tracted ordinate data. NASA personnel extracted the angle data. All data were keypunched on cards, and complete soundings were assembled at Texas A&M University. All computations were made on the university's Amdahl 460V/6 computer.

B. Methods of Processing. The procedure used to compute soundings is the same as that used on the AVE III and AVE IV data and is described by Fuelberg (1974) and Fuelberg and Turner (1975). All data were checked for errors by calculating centered differences on the input data on two separate occasions. Additional checks on the data included calculation of lapse rates of temperature and dew point and the plotting of constant pressure charts for 850 mb, 500 mb, and 300 mb for all release times. Suspected erroneous data were checked with the original strip chart information, and appropriate corrections were made.

The final data set of the AVE V experiment consists of data computed at each pressure contact and at 25-mb intervals. Thermodynamic quantities were computed at each pressure contact, while wind data were computed for 30-sec intervals by means of a centered finite difference and subsequently smoothed and interpolated to each pressure contact. These detailed profiles were then interpolated to give the 25-mb data presented in this report.

It is important to note three procedures employed in the processing of the data. They are: 1) Humidity values, including dew point temperatures, are computed at temperatures above -40°C ; at temperatures below -40°C humidity values are missing and indicated by a field of nines. Moisture values are computed down to a relative humidity of 1%; if the value is below 1%, it is set equal to 1% whereupon the other moisture values are computed. 2) Winds based on low elevations are denoted by asterisks. One asterisk denotes angles less than 10° but greater than 6° . Two asterisks denote angles less than 6° . Caution should be exercised when using data at low elevation angles as it is subject to large RMS errors. 3) Wind direction and wind speed are determined from interpolating the 25-mb value of the u and v wind components.

IV. Discussion of Sounding Data

A. Accuracy Estimates. Estimates of the RMS errors in the thermodynamic quantities of the AVE V data are the same as those for all AVE experiments and those given by Fuelberg (1974). These estimates are:

<u>Parameter</u>	<u>Approximate RMS Error</u>
Temperature	1°C
Pressure	1.3 mb from surface to 400 mb; 1.1 mb between 400 and 100 mb; 0.7 mb between 100 and 10 mb.
Humidity	10 percent
Pressure Altitude	10 gpm at 500 mb; 20 gpm at 300 mb; 50 gpm at 50 mb.

The RMS errors for wind speed and direction are difficult to describe since they are a function of tracking geometry and other factors. Maximum RMS errors for winds computed at 30-second intervals (based on the worst geometric tracking configuration) are: at 700mb about 2.5 mps at an elevation angle of 10° and about 0.5 mps at an elevation angle of 40°; at 500mb, 4.5 mps and 0.8 mps for the same elevation angles; and at 300mb, 7.8 mps and 1.0 mps, respectively. After assuming typical values of scalar wind speed at the various levels, maximum RMS errors in wind direction were determined. The maximum RMS errors at 700mb range from about 9.5° at an elevation angle of 10° to about 1.3° at an elevation angle of 40°. At 500mb the errors are 13.4° and 1.8° for the same elevation angles, while at 300mb the maximum errors are 18.0° and 2.5°, respectively. The accuracy of the wind data at pressure contacts and at 25-mb intervals is greater than that stated for the 30-second winds because of the added smoothing and interpolation performed. In addition, errors cited for the 30-second winds were maxima for the stated conditions.

B. Tabulated Data. An example of AVE V contact data is given in Table 3. An explanation of the column headings is given in Table 4, and a list of missing soundings is given in Table 5. In addition, a listing of those soundings that were terminated abnormally is given in Table 6 along with the reason for early termination. In Table 3, the first line of data for the time of 0.0 minutes is surface data. A series of nines is used to indicate missing data. The three numbers in the upper right-hand corner are the number of pressure

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Table 3. Example of Contact Data

STATION NO. 143
WENETT, MISSOURI

10 JUNE 1976
2300 GMT

TIME MIN	CNCTY	HEIGHT FT	PDES M	TEMP DEG C	DFE DEG C	QIR DEG	SPEED M/SEC	U CNVD M/SEC	V CLMP M/SEC	POT Y DEG K	E POT Y DEG K	MX RTD SM/KG	BM PCT	RANGE KM	AZ DEG
00	100	419.0	642.9	26.7	15.4	212.2	4.6	2.3	4.0	303.1	341.1	14.1	61.0	0.0	0
03	100	419.0	642.9	26.2	15.4	212.2	5.1	1.8	4.8	303.5	339.6	12.9	56.7	0.3	20
06	100	419.0	642.9	26.2	15.4	212.2	5.2	1.6	5.0	303.4	339.6	12.0	57.3	0.4	27
12	100	419.0	642.9	26.4	15.4	212.2	5.4	1.3	5.2	303.3	339.6	11.9	59.9	0.5	29
17	100	419.0	642.9	22.7	15.4	212.2	5.4	1.1	5.7	303.7	339.6	11.9	51.8	0.7	21
20	100	419.0	642.9	22.7	15.4	212.2	6.3	1.4	6.1	303.4	339.6	11.6	64.6	0.8	24
24	100	419.0	642.9	22.6	15.4	212.2	6.4	1.5	6.2	303.6	339.6	11.6	69.5	1.0	19
30	100	419.0	642.9	19.1	15.4	212.2	6.6	0.3	6.8	303.3	339.6	11.7	72.5	1.2	18
34	100	419.0	642.9	18.2	15.4	212.2	6.9	0.7	6.9	303.4	339.6	11.9	78.6	1.4	16
39	100	419.0	642.9	17.3	15.4	212.2	6.5	0.9	6.4	303.4	339.6	11.5	79.4	1.5	15
44	100	419.0	642.9	16.2	15.4	212.2	5.6	1.3	5.4	303.7	339.6	10.9	80.3	1.7	15
50	100	419.0	642.9	16.2	15.4	212.2	5.4	1.7	5.3	303.8	339.6	10.6	80.3	1.8	15
54	100	419.0	642.9	16.5	15.4	212.2	4.4	1.4	4.1	304.5	339.6	10.9	84.4	1.9	15
59	100	419.0	642.9	13.5	15.4	212.2	3.4	1.4	3.4	304.3	339.6	9.9	81.6	2.0	15
64	100	419.0	642.9	12.7	15.4	212.2	3.2	1.6	2.8	304.7	339.6	11.0	92.0	2.1	16
69	100	419.0	642.9	13.1	15.4	212.2	2.9	1.8	2.3	305.3	339.6	8.0	69.9	2.2	17
74	100	419.0	642.9	13.7	15.4	212.2	2.7	1.9	2.0	307.3	339.6	7.4	60.9	2.3	17
79	100	419.0	642.9	13.7	15.4	212.2	2.4	1.4	1.8	307.4	339.6	4.7	36.5	2.3	18
84	100	419.0	642.9	13.7	15.4	212.2	2.1	1.5	1.5	310.6	339.6	7.2	55.0	2.4	19
89	100	419.0	642.9	12.7	15.4	212.2	2.2	2.0	1.3	310.8	339.6	7.7	62.0	2.4	19
94	100	419.0	642.9	12.2	15.4	212.2	2.2	2.3	1.0	311.3	339.6	7.6	62.6	2.4	19
99	100	419.0	642.9	11.2	15.4	212.2	2.4	2.3	0.6	311.4	339.6	7.1	61.5	2.5	20
04	100	419.0	642.9	10.9	15.4	212.2	3.0	3.0	0.0	312.2	339.6	4.9	40.4	2.5	22
09	100	419.0	642.9	9.9	15.4	212.2	3.7	3.6	-0.3	312.4	339.6	7.0	64.4	2.5	24
14	100	419.0	642.9	9.7	15.4	212.2	3.7	3.6	-0.4	312.2	339.6	6.8	64.4	2.5	24
19	100	419.0	642.9	9.2	15.4	212.2	3.7	3.6	-0.4	312.7	339.6	7.1	72.1	2.6	24
24	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
29	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
34	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
39	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
44	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
49	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
54	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
59	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
64	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
69	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
74	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
79	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
84	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
89	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
94	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
99	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
04	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
09	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
14	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
19	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
24	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
29	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
34	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
39	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
44	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
49	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
54	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
59	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
64	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
69	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
74	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
79	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
84	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
89	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
94	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24
99	100	419.0	642.9	9.2	15.4	212.2	4.1	4.9	-0.3	312.7	339.6	6.8	64.4	2.6	24

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE AT TIME MADE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

Table 3. (Continued)

STATION NO. 140
WONNETT, MISSOURI
10 JUNE 1976
2300 GMT

TIME MIN	ENCT	HEIGHT GM	PRES MB	TEMP DG C	DEW P DG C	DIF DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGF KM	AZ DG
19.2	54.0	5671.0	512.0	-7.8	-14.6	302.3	11.0	10.2	-4.2	321.3	329.0	2.4	57.9	4.9	95.
19.7	54.0	5722.4	516.0	-9.4	-16.4	258.3	11.9	10.4	-5.0	322.1	329.9	2.1	52.3	5.2	96.
20.2	54.0	5812.1	495.0	-9.3	-19.0	208.2	12.0	11.4	-6.1	322.7	329.7	1.9	48.7	5.6	97.
20.5	54.0	5908.0	487.0	-10.1	-22.1	167.0	13.3	11.5	-7.7	323.1	327.2	1.2	33.6	5.9	98.
21.1	54.0	6195.5	479.0	-10.5	-27.1	102.0	13.0	11.0	-8.9	323.1	327.1	0.9	24.2	6.3	100.
21.5	54.0	6298.7	472.0	-11.3	-26.4	304.5	12.3	10.2	-7.0	324.6	327.7	0.9	26.3	4.6	101.
22.1	54.0	6413.2	445.0	-12.1	-30.2	306.2	11.0	9.2	-7.5	324.0	327.2	0.7	20.3	6.9	102.
22.4	54.0	6529.1	459.0	-12.4	-34.8	312.3	11.8	8.7	-8.1	326.2	327.5	0.4	13.3	7.1	103.
22.9	54.0	6657.5	457.0	-13.4	-34.8	315.4	12.0	8.4	-8.5	324.4	324.0	0.4	14.5	7.4	104.
23.4	54.0	6726.6	443.0	-14.1	-35.3	315.9	12.4	8.2	-8.9	327.0	325.5	0.4	14.5	7.7	106.
23.9	54.0	6973.3	436.0	-15.1	-35.7	314.7	12.9	9.2	-9.1	327.3	326.7	0.4	15.1	8.0	107.
24.2	54.0	7056.4	429.0	-16.2	-36.9	313.8	13.3	9.6	-9.2	327.4	324.8	0.4	16.2	8.3	108.
24.7	54.0	7165.7	421.0	-17.5	-36.4	313.4	13.1	9.6	-9.2	327.4	328.8	0.4	17.4	8.7	109.
25.2	54.0	7292.1	414.0	-18.4	-35.9	314.1	12.6	9.9	-8.9	327.9	329.5	0.4	19.8	9.0	110.
25.4	54.0	7416.2	407.0	-19.2	-36.2	314.5	11.7	9.1	-8.5	328.5	329.0	0.4	20.3	9.3	111.
26.1	54.0	7548.2	400.0	-19.7	-34.5	318.0	10.4	7.0	-7.8	329.4	330.9	0.4	20.8	9.6	112.
26.5	54.0	7650.2	398.0	-20.2	-36.4	318.4	9.4	6.2	-7.0	329.0	331.5	0.4	22.2	9.8	113.
27.2	54.0	7811.7	395.0	-21.9	-34.9	318.9	9.1	5.3	-5.8	330.6	332.1	0.4	23.9	10.1	114.
27.5	54.0	7946.2	379.0	-22.7	-37.1	319.4	7.4	5.0	-5.4	330.5	332.0	0.4	27.1	10.5	115.
28.1	54.0	8073.1	373.0	-23.9	-37.5	317.5	7.3	4.9	-5.4	330.5	332.0	0.4	29.8	10.7	115.
28.5	54.0	8181.4	367.0	-24.4	-37.0	309.5	7.1	5.4	-4.5	331.3	332.9	0.4	29.2	10.9	115.
29.1	54.0	8321.5	360.0	-25.1	-37.3	299.4	7.4	6.5	-3.5	332.3	333.9	0.4	29.2	10.9	115.
29.7	54.0	8423.7	355.0	-25.7	-39.0	295.1	9.3	8.2	-3.4	332.7	334.1	0.4	27.5	11.1	115.
30.1	54.0	8567.1	343.0	-26.8	-40.8	296.2	10.3	9.2	-4.6	333.2	334.3	0.3	24.9	11.4	115.
30.5	54.0	8692.3	342.0	-28.0	-42.3	298.3	11.5	10.1	-5.5	333.2	334.2	0.3	23.8	11.7	115.
31.1	54.0	8819.3	335.0	-28.4	-43.5	311.5	11.9	10.1	-6.2	334.4	335.2	0.2	21.3	12.1	115.
31.5	54.0	8911.1	323.0	-29.2	-45.3	314.1	12.2	10.1	-6.8	335.0	335.6	0.2	19.1	12.4	115.
32.1	54.0	9101.1	321.0	-30.7	-49.8	316.0	13.3	10.9	-7.8	335.7	335.2	0.1	14.8	12.8	115.
32.5	54.0	9234.0	317.0	-31.5	-49.4	315.9	14.0	11.4	-8.2	335.7	335.2	0.1	14.9	13.1	115.
33.0	54.0	9349.1	311.0	-32.3	-50.7	316.5	13.8	11.1	-8.2	336.4	335.9	0.1	17.0	13.6	115.
33.4	54.0	9487.3	305.0	-32.9	-50.4	316.4	12.7	9.9	-8.0	337.1	337.5	0.1	15.0	13.9	117.
33.9	54.0	9622.3	300.0	-34.1	-51.5	312.9	11.5	8.4	-7.8	337.3	337.7	0.1	18.1	14.2	117.
34.4	54.0	9733.4	294.0	-35.2	-52.4	317.1	11.1	7.5	-8.1	337.7	338.1	0.1	15.2	14.6	117.
34.9	54.0	9866.8	289.0	-36.3	-53.2	321.3	11.3	7.0	-8.8	338.1	338.5	0.1	15.3	14.9	118.
35.4	54.0	10002.6	284.0	-37.1	-53.0	324.6	11.4	6.7	-9.5	339.0	339.4	0.1	15.9	15.2	118.
35.8	54.0	10174.1	277.0	-37.9	-54.7	325.7	11.9	6.7	-9.4	339.6	339.9	0.1	16.5	15.4	118.
36.3	54.0	10331.3	272.0	-39.0	-59.9	326.0	12.3	6.9	-10.2	339.7	339.9	0.1	99.9	15.7	120.
36.7	54.0	10422.1	267.0	-40.6	-59.0	326.3	12.9	7.2	-10.8	339.3	339.9	0.1	99.9	16.0	120.
37.1	54.0	10556.5	262.0	-41.8	-60.0	326.2	14.0	7.7	-11.4	339.3	339.9	0.1	99.9	16.3	121.
37.5	54.0	10646.7	257.0	-43.1	-60.9	326.2	15.7	8.5	-13.2	339.3	339.9	0.1	99.9	16.6	121.
38.0	54.0	10819.8	252.0	-44.2	-60.7	326.3	18.4	10.2	-15.3	339.5	339.9	0.1	99.9	17.0	122.
38.4	54.0	10912.9	247.0	-45.3	-60.0	324.8	20.3	11.7	-16.4	340.0	339.9	0.1	99.9	17.5	123.
38.9	54.0	11015.5	241.0	-46.7	-60.9	322.7	22.3	13.5	-17.7	340.2	339.9	0.1	99.9	18.2	123.
39.5	54.0	11255.3	236.0	-47.6	-60.9	320.1	23.1	14.8	-17.8	340.9	339.9	0.1	99.9	18.9	124.
39.9	54.0	11366.3	231.0	-48.0	-60.0	317.1	24.2	16.5	-17.7	340.9	339.9	0.1	99.9	19.4	124.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

Table 3. (Continued)

STATION NO. 146
MINNETONKA, MINNESOTA
10 JUNE 1976
2300 JMT

TIME MPL	CNTCT	HEIGHT GPM	PRES MR	TEMP DG C	DEW PT DG C	DIR DG	SPED M/SEC	U CONO M/SEC	V CONO M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ OG
40.4	73.0	1151.9	207.0	-49.7	93.9	312.9	24.2	10.4	-17.9	341.4	965.9	99.9	999.9	20.1 125.	
40.8	73.0	1155.4	222.0	-51.5	94.9	310.6	20.0	21.3	-18.2	342.4	965.9	99.9	999.9	20.8 125.	
41.0	73.0	1155.4	216.0	-51.0	94.9	310.6	30.3	23.4	-19.2	344.4	965.9	99.9	999.9	21.9 125.	
41.9	73.0	1156.0	212.0	-51.4	94.9	311.0	32.6	24.6	-21.3	345.5	965.9	99.9	999.9	22.7 125.	
42.6	73.0	1151.0	207.0	-52.2	94.9	313.3	35.6	25.0	-24.3	346.6	965.9	99.9	999.9	24.0 126.	
42.9	73.0	1151.0	203.0	-52.9	94.9	314.2	37.1	24.6	-25.4	347.5	965.9	99.9	999.9	24.9 124.	
43.4	73.0	1235.5	199.0	-53.7	94.9	315.0	38.7	27.4	-27.3	348.3	965.9	99.9	999.9	26.0 126.	
43.9	73.0	1235.5	195.0	-54.5	94.9	316.3	39.4	27.2	-28.5	349.0	965.9	99.9	999.9	27.2 127.	
44.5	73.0	1235.5	193.0	-55.5	94.9	318.5	39.2	25.4	-28.6	350.0	965.9	99.9	999.9	28.6 127.	
45.0	73.0	1235.5	196.0	-56.0	94.9	320.3	36.0	23.4	-27.7	351.3	965.9	99.9	999.9	29.8 128.	
45.5	73.0	1235.5	192.0	-56.3	94.9	321.0	34.5	21.7	-26.8	351.0	965.9	99.9	999.9	30.7 128.	
46.2	73.0	1327.6	178.0	-57.0	94.9	319.3	35.0	22.8	-26.5	354.1	965.9	99.9	999.9	31.6 129.	
46.5	73.0	1327.6	173.0	-58.2	94.9	316.3	35.0	24.2	-25.7	355.0	965.9	99.9	999.9	32.9 129.	
47.0	73.0	1327.6	169.0	-58.6	94.9	314.3	33.7	23.9	-23.5	356.8	965.9	99.9	999.9	34.0 129.	
47.4	73.0	1327.6	165.0	-59.3	94.9	314.2	32.2	23.1	-22.5	358.0	965.9	99.9	999.9	34.5 129.	
47.9	73.0	1327.6	162.0	-59.7	94.9	314.2	32.0	23.7	-22.3	359.3	965.9	99.9	999.9	35.3 129.	
48.0	73.0	1327.6	159.0	-60.8	94.9	313.4	32.9	23.7	-22.9	360.0	965.9	99.9	999.9	36.2 129.	
48.7	73.0	1327.6	154.0	-61.0	94.9	313.4	32.4	24.4	-23.1	362.3	965.9	99.9	999.9	37.8 130.	
49.2	73.0	1327.6	150.0	-61.0	94.9	311.5	31.7	23.7	-21.0	365.1	965.9	99.9	999.9	39.1 130.	
49.7	73.0	1327.6	147.0	-60.8	94.9	310.6	31.4	23.9	-20.4	367.5	965.9	99.9	999.9	40.7 130.	
50.7	73.0	1327.6	143.0	-61.5	94.9	313.3	34.8	25.3	-23.4	367.1	965.9	99.9	999.9	41.6 130.	
51.5	73.0	1327.6	140.0	-61.3	94.9	319.4	36.1	24.1	-26.4	371.7	965.9	99.9	999.9	42.5 130.	
52.0	73.0	1327.6	136.0	-61.0	94.9	320.9	33.9	24.4	-27.0	375.5	965.9	99.9	999.9	44.3 130.	
52.4	73.0	1327.6	133.0	-62.5	94.9	325.5	32.2	18.2	-24.5	375.2	965.9	99.9	999.9	44.4 130.	
53.0	73.0	1327.6	130.0	-63.2	94.9	328.9	31.6	16.3	-27.1	376.2	965.9	99.9	999.9	45.4 131.	
54.1	73.0	1327.6	123.0	-65.2	94.9	341.2	24.9	6.8	-19.7	378.6	965.9	99.9	999.9	47.3 132.	
54.8	73.0	1327.6	115.0	-66.5	94.9	337.5	16.4	6.3	-15.2	377.0	965.9	99.9	999.9	47.8 132.	
55.4	73.0	1327.6	114.0	-64.9	94.9	330.1	16.3	9.1	-13.5	381.9	965.9	99.9	999.9	48.3 133.	
55.8	73.0	1327.6	114.0	-64.2	94.9	318.4	16.4	11.1	-12.6	381.4	965.9	99.9	999.9	48.7 133.	
56.3	73.0	1327.6	111.0	-64.6	94.9	312.3	17.7	12.4	-11.7	383.5	965.9	99.9	999.9	49.2 133.	
56.9	73.0	1327.6	107.0	-65.2	94.9	313.1	17.0	12.4	-11.7	384.6	965.9	99.9	999.9	49.9 133.	
57.5	73.0	1327.6	100.0	-66.0	94.9	317.6	15.0	10.7	-11.7	384.6	965.9	99.9	999.9	50.4 133.	
58.1	73.0	1327.6	90.0	-67.3	94.9	317.6	12.5	8.4	-9.2	397.7	965.9	99.9	999.9	51.1 133.	
58.7	73.0	1327.6	84.0	-67.5	94.9	315.4	8.7	6.1	-4.2	394.5	965.9	99.9	999.9	51.4 133.	
59.8	73.0	1327.6	74.0	-66.7	94.9	312.7	7.7	5.7	-5.2	403.6	965.9	99.9	999.9	51.7 133.	
59.9	73.0	1327.6	73.0	-66.3	94.9	314.9	7.3	5.1	-5.3	407.7	965.9	99.9	999.9	51.9 133.	
60.5	73.0	1327.6	51.0	-65.4	94.9	324.0	5.4	2.9	-3.6	414.6	965.9	99.9	999.9	52.2 133.	
61.3	73.0	1327.6	47.0	-65.2	94.9	327.6	3.5	2.4	-3.4	414.0	965.9	99.9	999.9	52.4 133.	
62.0	73.0	1327.6	44.0	-64.5	94.9	326.0	3.4	1.6	-3.7	421.5	965.9	99.9	999.9	52.3 133.	
62.9	73.0	1327.6	40.0	-64.0	94.9	327.6	3.7	1.4	-3.6	424.6	965.9	99.9	999.9	52.6 133.	
63.5	73.0	1327.6	34.0	-65.0	94.9	324.0	1.4	-1.4	-1.2	431.7	965.9	99.9	999.9	52.4 133.	
64.4	73.0	1327.6	24.0	-64.4	94.9	323.4	4.7	-4.0	-2.4	434.5	965.9	99.9	999.9	52.1 133.	
65.1	73.0	1327.6	22.0	-64.2	94.9	321.0	2.9	-4.5	-0.7	443.4	965.9	99.9	999.9	52.2 133.	
65.9	73.0	1327.6	59.0	-64.2	94.9	324.1	5.1	-4.7	-2.1	446.4	965.9	99.9	999.9	52.5 133.	

* BY SPED MEANS ELEVATION ANGLE BETWEEN 7 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OF TYP HAVE BEEN INTERPOLATED

** BY SPED MEANS ELEVATION ANGLE LESS THAN 5 DEG

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Table 3. (Concluded)

STATION NO. 349
WINNETT, MISSOURI10 JUNE 1974
2300 GMT

TIME MIN	CHTCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIA DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
56.9	144.0	19153.5	65.0	-61.9	99.9	276.2	1.6	1.3	0.9	459.7	999.9	99.9	999.9	52.6 133.	
57.7	145.0	19442.1	63.0	-60.9	99.9	279.0	2.6	3.6	-0.4	458.3	999.9	99.9	999.9	52.5 133.	
58.5	146.0	19746.9	62.0	-56.0	99.9	358.2	2.3	0.1	-2.3	474.9	999.9	99.9	999.9	52.4 133.	
59.4	147.0	19953.4	59.0	-56.6	99.0	55.1	4.1	-7.5	-2.1	484.4	999.9	99.9	999.9	52.5 133.	
60.4	148.0	20294.2	55.0	-57.9	99.4	63.9	5.1	-6.1	-0.5	491.4	999.9	99.9	999.9	52.7 133.	
71.7	149.0	20648.1	52.0	-47.5	99.9	97.4	6.9	-6.8	0.9	502.2	999.9	99.9	999.9	52.3 133.	
72.7	150.0	20935.0	50.0	-57.2	99.9	76.2	4.8	-4.7	-1.0	509.7	999.9	99.9	999.9	52.0 134.	
73.1	151.0	21247.4	47.0	-57.0	99.9	76.4	2.6	-2.5	-0.5	518.2	999.9	99.9	999.9	52.0 134.	
74.1	152.0	21702.1	45.0	-57.0	99.0	130.7	4.2	-3.2	2.7	528.1	999.9	99.9	999.9	51.8 134.	
75.5	153.0	22007.4	42.0	-55.9	99.9	88.0	7.9	-3.9	-0.1	538.1	999.9	99.9	999.9	51.4 134.	
76.5	154.0	22472.0	39.0	-54.0	99.9	103.5	7.8	-7.7	0.9	549.2	999.9	99.9	999.9	51.5 134.	
77.7	155.0	22472.7	37.0	-54.9	99.9	99.0	5.8	-7.7	1.0	560.5	999.9	99.9	999.9	50.9 134.	
79.0	156.0	22751.3	34.0	-52.4	99.9	33.8	5.0	-2.9	-4.1	494.2	999.9	99.9	999.9	50.8 135.	
80.4	157.0	23052.6	31.0	-49.3	99.9	64.4	6.7	-6.1	-2.6	604.6	999.9	99.9	999.9	51.0 135.	
81.7	158.0	24390.3	29.0	-49.0	99.9	116.5	10.5	-6.1	5.2	617.1	999.9	99.9	999.9	50.2 136.	
83.1	159.0	24863.3	27.0	-48.2	99.9	118.2	7.3	-6.5	3.5	632.0	999.9	99.9	999.9	49.5 136.	
84.9	160.0	25638.4	24.0	-47.0	99.9	323.3	2.4	1.4	-1.0	657.1	999.9	99.9	999.9	49.4 136.	
86.5	161.0	26525.4	21.0	-45.7	99.9	42.5	5.7	-7.9	-4.2	686.7	999.9	99.9	999.9	50.9 136.	
88.5	162.0	27193.5	19.0	-44.9	99.9	32.6	4.0	-7.2	-5.0	709.3	999.9	99.9	999.9	49.5 137.	
91.2	163.0	27948.3	16.0	-42.7	99.9	42.1	3.5	-2.4	-2.6	752.1	999.9	99.9	999.9	50.0 138.	
93.5	164.0	28755.2	13.0	-41.0	99.9	90.7	1.7	-1.7	0.0	803.9	999.9	99.9	999.9	49.8 139.	
96.5	165.0	30634.7	11.0	-40.6	99.9	999.9	999.9	999.9	99.9	848.3	999.9	99.9	999.9	999.9 999.	

Table 4

Explanation of Column Headings of Tabulated Sounding Data for
the AVE V Experiment

TIME (MIN)	Time after balloon release.
CNTCT	Contact number.
HEIGHT (GPM)	Height of corresponding pressure surface in geopotential meters.
PRES (MB)	Pressure in millibars.
TEMP (DG C)	Ambient temperature in degrees Celsius. Note: An asterisk indicates that time from release and/or temperature were linearly interpolated.
DEW PT (DG C)	Dew point temperature in degrees Celsius.
DIR (DG)	Wind direction measured clockwise from true north and is the direction from which the wind is blowing.
SPEED (M/SEC)	Scalar wind speed in meters per second. Note: An asterisk indicates that wind quantities are based on an elevation angle that is between 10° and 6°. A double asterisk indicates that the elevation angle is less than 6°.
U COMP (M/SEC)	The E-W wind component, positive toward the east and negative toward the west.
V COMP (M/SEC)	The N-S wind component, positive toward the north and negative toward the south.
POT T (DG K)	Potential temperature in degrees Kelvin.
E POT T (DG K)	Equivalent potential temperature in degrees Kelvin.
MX RTO (GM/KG)	Mixing ratio in grams per kilogram.
RH (PCT)	Relative humidity in percent.
RANGE (KM)	Distance balloon is from release point along a radius vector.
AZ (DG)	Direction toward balloon measured clockwise from true north.

Table 5

List of Soundings Not Taken in the AVE V Experiment

<u>Station</u>	<u>Date/Time</u>
456 Topeka, Kansas	12/0300
764 Bismarck, North Dakota	12/0000
775 Great Falls, Montana	11/0000
11000 Marshall SFC, Alabama	11/1800

Table 6

Soundings Terminated Before Completion

<u>Station</u>	<u>Date/GMT</u>	<u>Reason</u>
Topeka, Kansas	6/12/76 00Z	Flight terminated @ 24 min Ground equipment failure
Grand Junction, Colorado	6/12/76 00Z	Flight terminated @ 41 min Radiosonde battery failure
Peoria, Illinois	6/11/76 12Z	Winds terminated @ 19 min Ground equipment failure
Omaha, Nebraska	6/11/76 21Z	Flight terminated @ 51 min Leaking balloon
International Falls Minnesota	6/12/76 12Z	Flight terminated @ 22 min Balloon in thunderstorm
Bismarck, North Dakota	6/12/76 03Z	Flight terminated @ 15 min Balloon in thunderstorm

computed, the minimum pressure obtained (mb), and an angle identifier with the value 0 for 30-second angle input and 1 for 1-minute angle input. The contact data are available in paper form or on magnetic tape from the George C. Marshall Space Flight Center, Alabama 35812.

The contact data interpolated for 25-mb intervals are presented following Section V. The column headings are identical to those used for the contact data and are described in Table 4. The soundings are arranged by time and appear in ascending order by station number for each time. The first line of data indicates the surface report which is followed by data from 1000 to 25mb. In cases where the surface pressure is less than the given 25-mb pressure value, missing data (nines) are indicated for each quantity. This is also done when the sounding terminates before the 25-mb level is reached.

V. Synoptic Charts

Synoptic charts for the beginning and ending of the observational period at the surface and 700mb are presented in Figures 2 through 5. The maps are simplified and depict only the gross features of the existing situation.

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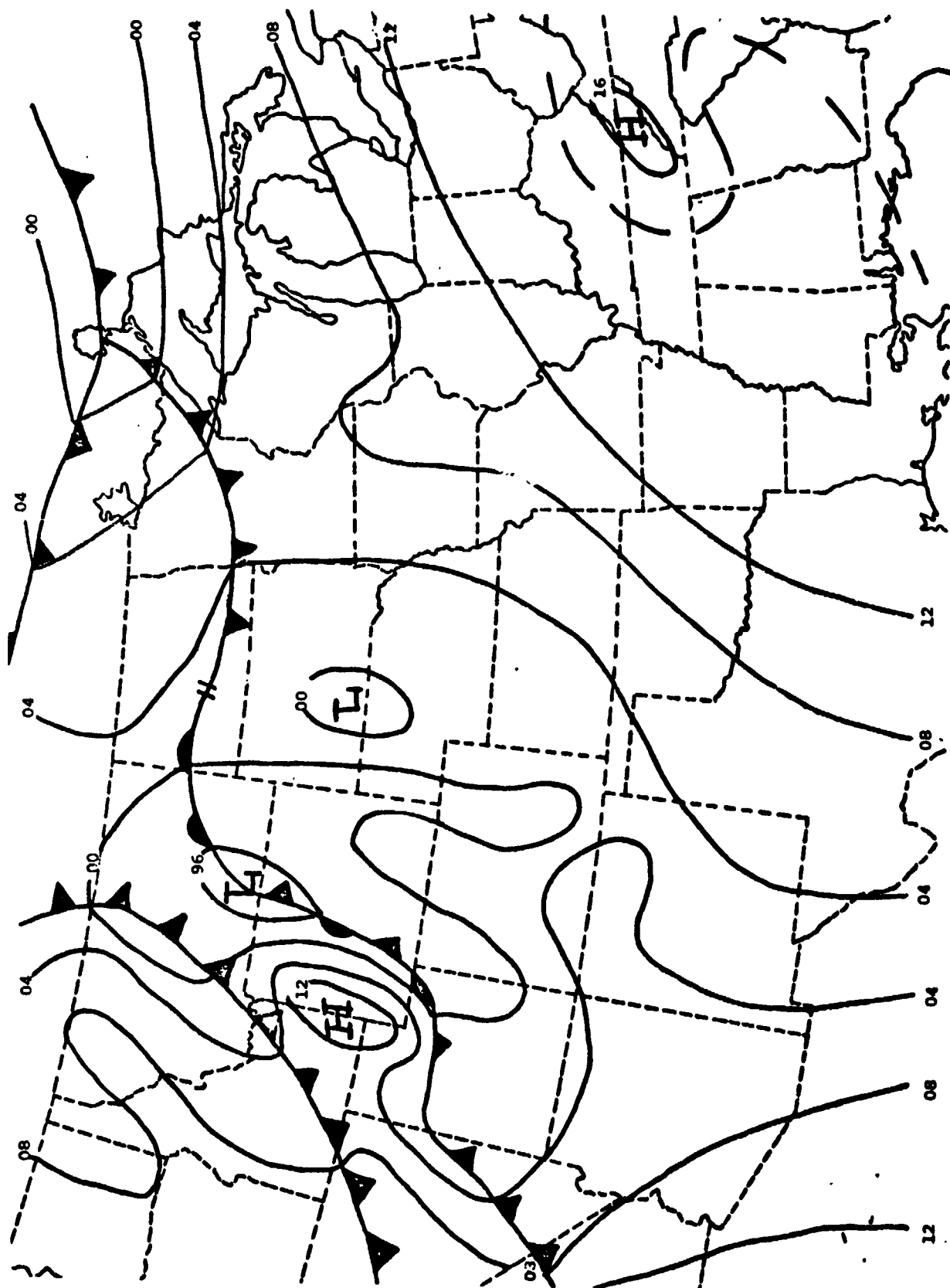


Fig. 2. Synoptic chart for the surface at 0000 GMT, 11 June 1976.

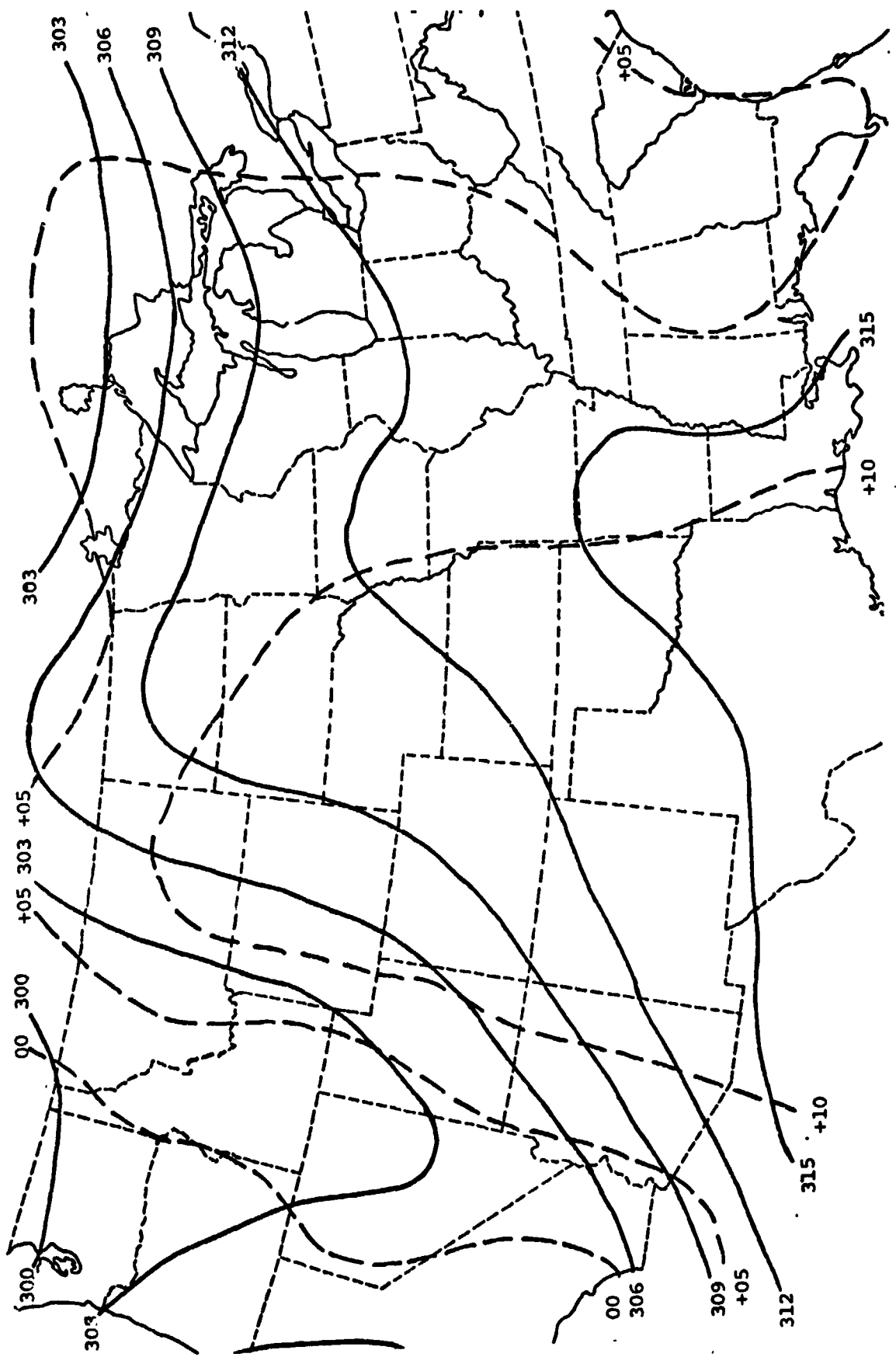


Fig. 3. Synoptic chart for the 700-mb level at 0000 GMT, 11 June 1976.

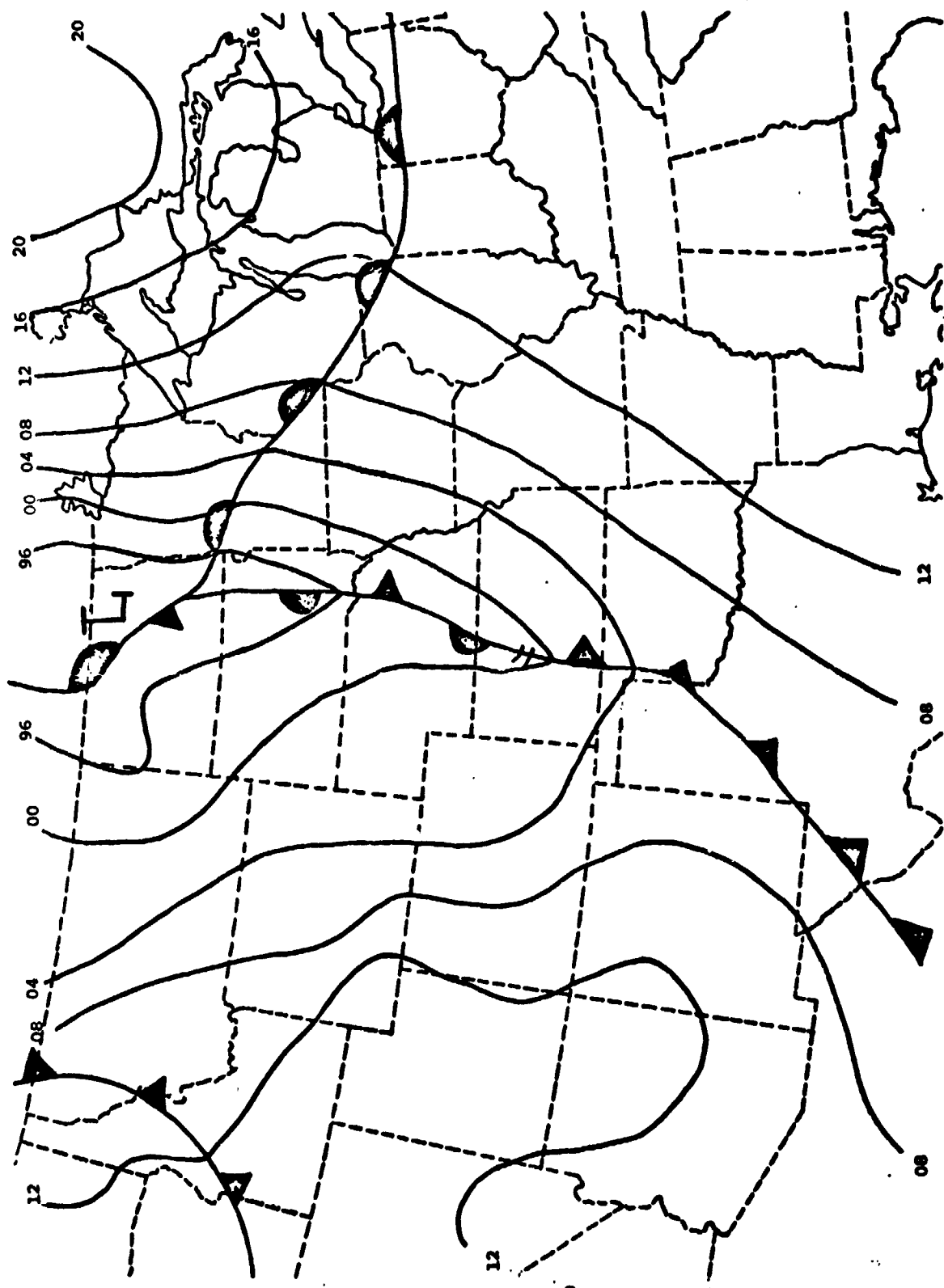


Fig. 4. Synoptic chart for the surface at 1200 GMT, 12 June 1976.

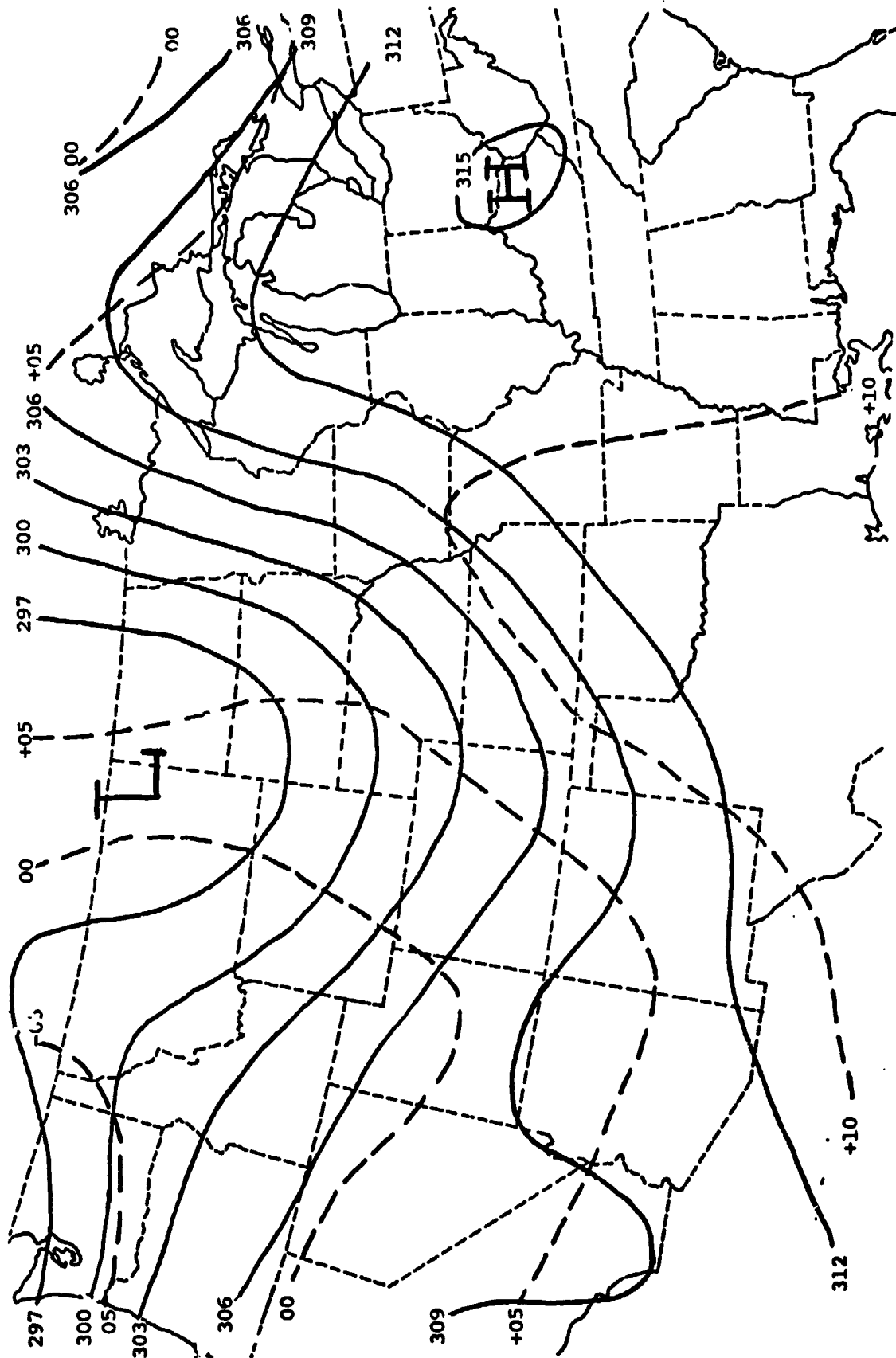


Fig. 5. Synoptic chart for the 700-mb level at 1200 GMT, 12 June 1976.

Sounding Data

11 June 1976

0000 GMT

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STATION NO. 349
MONETT, MISSOURI10 JUNE 1976
2300 GMT

TIME MIN	OUTCT	HEIGHT GM	PRES MB	TEMP DC C	DEW PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T CG K	E POT T CG K	MR QTO CM/KG	RM PCT	RANGE KM	AZ DC
0.7	8.9	438.0	962.8	26.7	18.6	210.0	4.6	2.3	4.0	303.1	341.1	14.1	61.0	157	11.0
0.9	9.9	99.9	1000.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0.0
0.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0.0
0.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0.0
0.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0.0
1.2	12.0	790.8	925.0	23.4	15.2	194.0	5.4	1.3	5.2	303.3	335.6	12.9	56.7	0.3	20.0
1.2	12.0	790.8	925.0	23.4	15.2	194.0	5.4	1.3	5.2	303.3	335.6	12.9	56.7	0.3	20.0
2.1	14.2	1025.8	900.0	21.3	14.5	193.5	6.3	1.4	6.1	303.4	335.0	11.6	59.9	0.5	25.0
3.1	16.3	1273.6	875.0	18.6	14.2	187.4	6.9	0.9	6.8	303.4	335.3	11.0	74.0	1.2	18.0
4.0	18.5	1522.2	850.0	16.6	12.9	190.7	6.2	1.1	6.1	303.5	335.8	11.1	79.0	1.6	15.0
4.8	20.7	1775.4	825.0	14.8	12.0	194.3	4.8	1.6	4.5	304.3	333.7	10.8	83.1	1.9	15.0
5.9	23.0	2036.4	800.0	12.7	11.8	210.5	3.2	1.6	2.8	304.7	330.3	11.0	93.9	2.1	16.0
7.0	25.4	2303.9	775.0	13.3	3.2	221.6	2.6	1.7	1.9	308.2	328.3	7.5	59.9	2.4	19.0
7.9	27.7	2580.1	750.0	13.0	5.4	229.7	2.1	1.6	1.3	310.7	332.3	7.0	51.2	2.5	21.0
8.8	30.3	2864.1	725.0	11.1	3.9	259.5	2.6	2.5	0.5	311.7	331.9	6.8	66.5	2.5	25.0
10.5	32.9	3157.0	700.0	8.8	2.9	278.5	3.7	3.6	-0.5	312.3	331.9	6.4	69.4	2.6	31.0
11.9	35.5	3457.7	675.0	6.7	1.5	293.7	4.1	3.8	-1.7	313.2	331.7	6.4	71.5	2.6	38.0
12.2	38.0	3765.7	650.0	4.4	-0.3	310.1	5.5	4.2	-3.6	313.9	332.9	5.8	71.5	2.6	47.0
13.3	40.7	4086.0	625.0	3.3	-5.5	301.9	7.7	5.5	-4.1	316.3	329.6	4.1	52.4	2.6	47.0
14.5	43.4	4416.2	600.0	1.1	-7.7	305.6	9.6	7.9	-5.7	317.4	328.3	3.6	51.8	2.9	59.0
15.7	46.3	4757.1	575.0	-1.5	-7.8	313.1	11.3	8.2	-7.7	318.3	329.6	3.7	61.7	3.2	72.0
17.0	49.4	5109.7	550.0	-4.3	-11.2	314.2	11.5	8.2	-8.0	319.0	328.2	3.0	58.8	3.7	85.0
18.4	52.3	5476.7	525.0	-6.9	-12.5	297.0	10.4	9.3	-4.7	320.1	328.8	2.8	64.1	4.4	93.0
19.9	55.4	5854.5	500.0	-8.8	-17.1	296.4	12.3	11.1	-5.5	322.3	328.8	2.8	50.7	5.4	96.0
21.3	58.6	6259.2	475.0	-11.0	-26.9	303.4	12.6	10.5	-6.9	324.4	327.4	0.9	25.4	6.4	100.0
22.8	62.0	6663.5	450.0	-13.4	-34.8	315.4	12.0	8.4	-8.5	326.4	328.0	0.4	14.5	7.4	104.0
24.4	65.5	7096.1	425.0	-16.9	-36.2	313.8	13.3	9.6	-9.2	327.4	328.8	0.4	16.8	8.5	109.0
26.1	68.8	7548.2	400.0	-19.7	-36.5	318.2	10.4	7.0	-7.5	329.4	330.9	0.4	26.4	9.6	112.0
27.9	72.7	8024.1	375.0	-23.5	-37.4	318.2	7.4	4.9	-5.5	330.5	332.9	0.4	26.4	10.4	114.0
30.0	76.7	8525.9	350.0	-26.5	-40.3	325.9	10.0	9.0	-4.4	333.0	334.2	0.7	3.7	11.3	119.0
31.9	80.7	9057.4	325.0	-30.2	-47.8	305.5	13.0	10.6	-7.5	335.0	335.6	0.2	16.1	12.7	116.0
33.9	85.6	9628.3	300.0	-34.1	-51.5	312.9	11.5	8.4	-7.8	337.3	337.7	0.1	15.1	14.2	117.0
36.2	90.4	10224.2	275.0	-38.4	-59.9	325.8	12.0	6.8	-9.9	339.6	339.6	99.9	99.9	15.6	119.0
38.2	94.4	10872.4	250.0	-42.7	-69.9	328.7	19.1	10.8	-15.8	339.7	339.7	99.9	99.9	17.2	122.0
40.6	98.4	11569.0	225.0	-46.0	-79.9	311.9	26.9	20.1	-18.0	341.8	339.6	99.9	99.9	20.4	125.0
43.3	104.8	12333.2	200.0	-51.5	-90.9	314.7	38.3	27.2	-26.9	348.1	339.6	99.9	99.9	23.7	126.0
46.4	110.6	13184.0	175.0	-57.8	-99.9	317.5	35.0	23.6	-25.8	354.6	339.6	99.9	99.9	26.4	129.0
49.7	117.0	14147.2	150.0	-61.8	-99.9	311.5	31.7	23.7	-21.0	365.1	339.6	99.9	99.9	29.1	130.0
53.9	124.3	15275.1	125.0	-64.6	-99.9	336.7	24.9	9.9	-22.9	378.1	339.6	99.9	99.9	31.1	131.0
58.1	132.0	16419.8	100.0	-67.3	-99.9	317.6	12.5	8.4	-9.2	378.1	339.6	99.9	99.9	31.1	133.0
64.2	140.8	18377.5	75.0	-64.6	-99.9	124.1	4.0	-3.3	-2.3	437.6	339.6	99.9	99.9	32.2	133.0
72.3	156.0	20696.0	50.0	-57.2	-99.9	78.2	4.0	-4.7	-1.0	506.7	339.6	99.9	99.9	32.0	134.0
84.2	196.7	23376.0	25.0	-47.4	-99.9	84.0	1.2	-1.2	-0.1	648.7	339.6	99.9	99.9	30.5	136.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

10 JUNE 1976
2 100 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO GN/KG	RM PCT	RANGE KM	AZ DG
0.0	7.7	298.0	978.1	27.9	11.0	235.0	6.7	5.5	3.8	303.0	324.3	5	35.0	0.0	0.
0.9	9.9	99.9	1007.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
0.2	8.0	326.1	975.0	27.8	9.0	234.3	10.3	6.3	6.0	303.1	324.9	7.9	32.6	0.2	48.
0.9	10.1	555.8	950.0	26.0	9.8	231.1	8.3	6.4	5.2	303.6	326.0	8.1	36.1	0.5	51.
1.6	12.2	789.5	925.0	23.5	9.3	229.2	8.3	6.3	5.4	303.4	325.5	8.0	40.4	0.8	50.
2.3	14.5	1028.0	900.0	21.3	8.7	232.3	9.7	7.7	5.9	303.5	325.3	7.9	44.5	1.2	50.
3.1	16.6	1271.1	875.0	18.9	8.1	238.2	8.7	7.4	4.6	303.4	324.9	7.8	49.4	1.6	52.
3.9	19.0	1519.1	850.0	16.6	7.4	247.5	7.7	7.3	3.0	303.5	324.7	7.7	54.7	2.0	53.
4.8	21.2	1772.6	825.0	14.1	6.7	252.0	6.9	6.5	2.1	303.5	324.3	7.5	61.8	2.4	57.
5.7	23.6	2031.6	800.0	11.6	6.4	245.2	7.7	7.0	3.2	303.5	324.6	7.6	76.3	2.8	58.
6.7	25.9	2296.4	775.0	9.4	5.2	239.3	8.1	6.9	4.1	303.9	324.9	7.2	75.1	3.2	59.
7.6	28.5	2567.8	750.0	7.1	1.4	243.6	6.5	7.6	3.8	304.3	325.4	5.7	66.7	3.7	59.
8.6	31.1	2846.2	725.0	7.1	-20.7	256.7	8.7	8.5	2.0	307.3	310.5	1.0	11.6	4.2	60.
9.4	33.8	3135.6	700.0	9.1	-17.1	262.6	5.0	8.9	1.2	311.4	316.0	1.4	14.8	4.7	63.
10.7	36.3	3438.3	675.0	5.9	-17.8	256.3	9.4	9.1	2.7	312.3	316.7	1.4	16.2	5.3	65.
11.7	38.1	3742.0	650.0	1.9	-19.2	253.3	8.6	8.2	2.5	313.4	317.5	1.3	18.5	5.9	65.
12.9	41.8	4059.2	625.0	1.4	-19.3	259.6	9.1	9.0	1.7	314.0	318.3	1.3	19.6	6.4	66.
14.0	44.7	4386.7	600.0	-0.8	-17.1	270.3	8.9	8.9	-0.0	315.3	320.6	1.7	27.7	7.0	68.
15.2	47.7	4724.8	575.0	-3.5	-19.4	277.0	8.1	8.1	-1.0	315.9	320.5	1.4	28.0	7.6	70.
16.5	50.6	5074.6	550.0	-5.9	-22.2	287.7	6.8	6.5	-2.1	317.1	320.9	1.2	26.0	8.1	77.
17.9	53.7	5437.6	525.0	-8.2	-22.9	295.7	6.4	5.8	-2.8	319.6	322.4	1.2	23.4	8.5	74.
19.2	56.8	5814.3	500.0	-11.1	-27.6	290.7	6.7	6.3	-2.3	319.6	322.2	0.8	23.9	8.9	77.
20.7	60.1	6205.8	475.0	-14.0	-30.1	287.3	5.7	5.4	-1.7	320.7	322.9	0.7	23.9	9.4	78.
22.1	63.6	6614.6	450.0	-16.7	-33.2	295.4	4.4	4.0	-1.9	322.2	324.0	0.5	22.3	9.8	80.
23.6	67.0	7031.2	425.0	-19.8	-36.3	296.1	3.0	2.7	-1.3	323.6	325.0	0.4	21.2	10.0	81.
25.6	70.6	7488.9	400.0	-22.5	-40.0	295.9	1.5	1.5	0.1	325.8	326.9	0.3	18.3	10.3	82.
27.4	74.3	7960.2	375.0	-25.5	-41.1	304.5	1.6	1.3	-1.0	327.9	328.9	0.3	21.4	10.4	82.
29.1	78.5	8456.9	350.0	-29.2	-43.8	320.2	3.6	2.3	-2.3	329.4	337.2	0.2	22.6	10.6	83.
30.9	82.5	8982.5	325.0	-32.8	-46.7	336.7	6.7	2.3	-6.3	331.5	332.2	0.2	23.1	10.8	86.
33.0	86.7	9541.5	300.0	-36.4	-50.3	349.1	8.5	1.6	-9.3	334.1	334.6	0.1	21.9	11.0	91.
35.0	91.4	10137.6	275.0	-42.0	-59.9	356.9	11.8	0.6	-11.8	334.3	334.3	99.9	99.9	11.2	97.
37.4	96.2	10775.9	250.0	-46.7	-69.9	357.6	17.6	0.7	-17.6	335.6	335.6	99.9	99.9	11.8	107.
39.9	101.3	11467.7	225.0	-52.0	-79.9	346.1	15.5	3.7	-15.0	338.8	338.8	99.9	99.9	12.9	117.
42.6	107.0	12220.1	200.0	-57.4	-89.9	341.7	18.1	5.7	-17.2	341.9	341.9	99.9	99.9	15.0	124.
45.5	113.3	13055.4	175.0	-60.8	-99.9	341.7	16.7	-5.1	-15.9	349.6	349.6	99.9	99.9	17.2	133.
48.6	119.8	14015.8	150.0	-59.6	-99.9	330.5	1.7	1.3	1.1	369.1	369.1	99.9	99.9	17.0	137.
52.8	127.3	15160.0	125.0	-59.6	-99.9	300.5	6.8	5.9	-3.5	387.1	387.1	99.9	99.9	18.0	135.
57.4	135.7	16557.0	100.0	-60.7	-99.9	342.2	8.2	-0.5	-8.2	410.4	410.4	99.9	99.9	20.9	137.
63.6	144.0	18343.1	75.0	-60.8	-99.9	62.6	3.4	-3.0	-1.5	445.5	445.5	99.9	99.9	21.4	141.
71.5	153.3	20904.2	50.0	-54.9	-99.9	19.2	3.3	-1.1	-3.1	514.3	514.3	99.9	99.9	22.6	143.
84.2	163.5	25415.4	25.0	-44.5	-99.9	92.3	6.3	-6.3	0.3	657.1	657.1	99.9	99.9	21.4	152.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS
10 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.0	175.0	990.4	28.6	17.2	200.0	6.2	2.1	5.8	302.6	336.4	12.6	50.0	0.0	0.
9.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	8.3	314.3	975.0	27.7	13.5	202.7	7.7	3.7	6.8	303.1	330.5	10.1	41.6	0.3	21.
1.2	10.4	543.8	950.0	25.2	12.6	213.1	7.6	4.1	6.4	302.8	329.3	9.7	45.4	0.5	25.
1.9	12.5	777.0	925.0	22.7	11.7	215.3	8.9	5.2	7.3	302.5	328.2	9.4	49.9	0.9	30.
2.8	14.7	1015.0	900.0	20.5	11.2	214.4	8.6	4.9	7.1	302.7	328.2	9.3	54.9	1.4	31.
3.6	16.7	1257.7	875.0	18.3	10.0	217.8	9.4	5.7	7.4	302.8	327.1	8.9	58.7	1.8	32.
4.3	19.1	1505.3	850.0	15.8	8.8	219.1	10.4	6.6	8.1	302.8	325.9	8.4	63.1	2.3	34.
5.4	21.2	1758.6	825.0	14.6	6.1	222.1	11.1	7.4	8.2	304.0	324.2	7.2	67.1	2.9	35.
6.3	23.6	2018.0	800.0	12.6	-2.9	221.7	11.9	7.9	8.9	304.6	316.6	4.1	70.2	3.5	36.
7.1	25.8	2283.5	775.0	11.3	-8.6	233.6	11.3	9.1	6.7	305.9	313.7	2.6	74.1	4.1	38.
8.0	28.3	2556.7	750.0	11.1	-43.1	249.5	11.5	10.8	4.0	308.6	309.0	0.1	78.1	4.7	41.
8.8	30.8	2838.2	725.0	9.7	-44.0	259.5	11.3	11.1	2.0	310.1	310.5	0.1	82.1	5.1	44.
9.7	33.4	3128.2	700.0	7.9	-9.4	264.6	10.6	10.5	1.0	311.2	321.2	3.4	86.1	5.6	46.
10.6	35.8	3427.4	675.0	5.8	0.8	270.5	10.0	10.0	-0.1	312.1	329.7	6.0	90.3	6.0	52.
11.6	38.6	3735.5	650.0	3.4	-0.9	275.8	10.7	10.6	-1.1	312.8	329.0	5.5	94.5	6.5	54.
12.7	41.1	4052.5	625.0	0.9	-5.8	283.3	9.5	9.3	-2.2	313.5	325.4	4.0	98.2	7.0	59.
13.8	43.9	4376.7	600.0	-0.9	-9.3	295.6	7.9	7.1	-3.4	315.1	324.8	3.2	102.2	7.4	62.
15.0	46.9	4717.9	575.0	-3.5	-13.5	304.1	9.0	7.4	-5.0	315.9	323.2	2.3	106.7	7.7	66.
16.1	49.9	5068.0	550.0	-5.3	-25.1	300.8	9.0	7.7	-4.6	317.8	320.8	0.9	110.3	8.1	70.
17.3	52.6	5432.5	525.0	-7.0	-38.8	289.9	9.5	8.9	-3.2	320.1	321.0	0.2	114.8	8.5	73.
18.6	55.7	5811.4	500.0	-9.1	-51.4	285.3	10.2	10.0	-2.6	321.9	322.2	0.1	118.9	9.1	76.
19.9	58.9	6206.0	475.0	-11.8	-55.8	278.8	10.2	10.0	-1.4	323.4	323.6	0.0	123.2	9.9	78.
21.3	62.1	6617.9	450.0	-14.0	-58.8	270.0	6.4	6.4	0.0	325.6	325.7	0.0	127.6	10.6	79.
22.7	65.6	7049.3	425.0	-17.5	-61.0	278.8	5.5	5.4	-0.8	326.5	326.6	0.0	132.1	11.0	80.
24.2	69.0	7499.9	400.0	-20.8	-38.7	338.5	4.5	1.6	-4.2	327.9	329.2	0.3	136.1	11.4	80.
25.9	72.6	7975.5	375.0	-23.6	-24.7	331.4	12.1	5.8	-10.6	330.4	334.7	1.2	140.6	11.5	85.
27.5	76.4	8476.3	350.0	-27.2	-33.0	324.6	12.9	7.1	-10.7	332.1	336.5	0.7	145.1	12.1	90.
29.2	80.4	9006.0	325.0	-31.1	-38.9	330.3	12.4	4.1	-10.7	333.8	335.3	0.4	149.8	12.9	95.
30.8	84.6	9567.8	300.0	-36.2	-43.6	330.5	12.7	6.3	-11.1	334.4	335.4	0.3	154.8	13.6	99.
32.6	88.8	10166.0	275.0	-40.9	-49.9	327.2	14.1	8.5	-11.8	336.0	337.9	99.9	159.9	14.5	104.
34.5	93.4	10806.5	250.0	-46.8	-56.8	325.6	15.1	8.5	-12.4	336.6	339.9	99.9	164.9	15.9	108.
36.7	98.5	11495.5	225.0	-52.6	-62.6	332.9	14.1	8.4	-12.5	338.0	339.9	99.9	170.9	17.3	112.
39.0	103.8	12245.9	200.0	-58.6	-68.6	326.1	12.3	6.9	-10.2	339.9	339.9	99.9	176.9	18.6	116.
41.4	109.8	13079.2	175.0	-61.1	-70.9	332.9	18.1	8.2	-16.1	349.1	339.9	99.9	182.9	21.7	118.
44.2	115.8	14035.7	150.0	-61.6	-71.6	334.6	19.7	9.1	-12.6	364.0	339.9	99.9	188.9	23.0	122.
46.2	123.3	15172.1	125.0	-61.5	-71.5	322.1	11.7	7.2	-9.2	383.7	339.9	99.9	194.9	24.4	125.
48.2	131.0	16554.6	100.0	-62.5	-72.5	307.6	10.0	7.9	-6.1	406.9	339.9	99.9	200.9	26.8	126.
52.8	139.7	18325.2	75.0	-62.4	-72.4	351.6	5.7	0.8	-5.6	442.1	339.9	99.9	206.9	29.7	127.
58.6	148.7	20863.4	50.0	-55.9	-65.9	83.8	4.5	-4.5	-0.5	511.8	339.9	99.9	212.9	29.8	130.
66.3	158.3	25385.5	25.0	-47.3	-57.3	72.6	4.2	-4.0	-1.3	649.0	339.9	99.9	218.9	27.4	135.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

10 JUNE 1976
2115 GMT

TIME MIN	CNTCT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.2	13.0	791.0	914.6	36.7	12.8	210.0	12.9	6.4	11.2	317.9	347.6	10.3	24.0	0.0	0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	14.4	937.1	900.0	34.0	5.9	206.5	15.6	7.0	13.9	316.6	335.7	6.5	17.4	0.6	24
1.4	16.4	1190.7	875.0	31.6	8.4	207.6	18.7	8.7	16.5	316.6	339.9	8.0	27.7	1.4	28
2.5	18.6	1448.5	850.0	29.1	7.2	215.2	17.7	10.2	14.5	316.6	338.7	7.5	25.2	2.4	28
3.4	20.8	1713.7	825.0	26.4	5.7	216.7	17.8	10.7	14.3	316.6	337.1	7.0	26.5	3.5	30
4.2	23.2	1983.6	800.0	24.1	4.9	220.5	16.2	10.5	12.4	316.6	336.9	6.8	28.8	4.2	32
5.1	25.5	2259.9	775.0	21.3	3.4	224.4	16.2	11.3	11.6	316.7	335.5	6.3	30.8	5.1	34
6.2	27.8	2542.3	750.0	18.5	2.1	226.0	14.6	10.5	10.1	314.7	334.4	6.0	33.3	6.1	36
7.2	30.3	2831.7	725.0	16.0	-0.2	230.1	14.9	11.5	9.6	317.0	332.6	5.2	35.2	7.0	37
8.1	32.8	3128.6	700.0	13.6	-3.1	238.4	11.4	9.8	6.0	317.5	330.7	4.4	31.2	7.7	39
9.2	35.4	3433.6	675.0	11.3	-5.1	247.4	8.4	7.7	3.2	318.3	329.1	3.9	31.1	8.3	41
10.3	37.9	3748.9	650.0	8.5	-6.2	246.1	6.2	7.5	2.3	318.6	328.6	3.7	34.7	9.2	43
11.3	40.5	4069.5	625.0	5.6	-8.5	245.9	7.5	6.8	3.1	318.8	327.5	2.8	36.8	9.5	44
12.3	43.2	4401.4	600.0	2.3	-10.9	247.0	5.2	4.8	2.0	318.8	327.5	2.8	36.8	9.5	44
13.5	46.1	4743.2	575.0	-1.4	-15.0	243.5	5.8	5.2	1.5	319.8	325.7	2.2	43.4	10.3	46
14.8	49.0	5095.8	550.0	-4.4	-15.0	257.4	6.7	6.6	1.5	319.8	325.7	2.2	43.4	10.3	46
16.2	51.8	5461.4	525.0	-7.9	-25.6	270.8	8.9	8.9	-0.1	321.3	324.4	0.9	19.2	10.8	48
17.5	54.9	5841.2	500.0	-8.8	-27.6	277.0	11.7	11.6	-1.4	322.3	325.0	0.8	20.2	11.3	51
18.7	57.9	6236.8	475.0	-11.3	-32.5	282.4	15.8	15.4	-3.4	324.0	325.9	0.5	15.4	12.2	53
19.9	61.0	6648.8	450.0	-14.8	-30.4	286.9	16.0	15.3	-4.7	324.7	327.0	0.7	24.9	12.7	55
21.2	64.6	7090.0	425.0	-16.7	-35.7	275.4	17.0	17.0	-1.6	327.6	329.1	0.4	17.4	13.8	62
22.6	67.9	7533.4	400.0	-18.9	-42.4	268.0	17.9	17.9	0.6	333.4	331.2	0.2	10.4	15.2	65
24.5	71.3	8011.3	375.0	-21.9	-45.2	272.2	15.9	15.9	-0.6	332.7	333.3	0.1	10.1	16.4	71
26.4	75.2	8515.0	350.0	-25.9	-48.3	284.4	19.5	18.9	-4.9	333.8	334.3	0.1	10.1	18.4	71
28.1	79.3	9047.1	325.0	-30.3	-49.6	287.8	22.6	21.5	-6.9	336.3	335.4	0.1	13.1	20.3	74
29.7	83.3	9611.5	300.0	-34.3	-52.2	278.8	33.1	32.7	-5.1	337.1	337.5	0.1	14.1	22.7	78
31.4	87.6	10213.9	275.0	-38.5	-59.9	275.8	36.4	36.2	-3.7	338.0	339.9	99.9	99.9	25.2	80
33.5	92.3	10857.7	250.0	-45.3	-69.9	275.7	40.0	39.8	-7.0	338.8	339.9	99.9	99.9	30.7	83
35.7	97.2	11552.0	225.0	-50.5	-79.9	282.0	38.1	37.2	-7.9	341.1	339.9	99.9	99.9	35.5	85
38.2	102.4	12317.6	200.0	-53.8	-89.9	282.8	44.6	43.5	-9.8	347.6	339.9	99.9	99.9	41.8	87
40.6	108.3	13164.5	175.0	-59.4	-99.9	286.7	33.8	32.0	-10.8	352.0	339.9	99.9	99.9	47.2	89
43.5	114.5	14117.2	150.0	-64.6	-99.9	271.6	28.9	28.9	-10.8	358.8	339.9	99.9	99.9	51.9	90
46.5	121.3	15223.7	125.0	-67.1	-99.9	276.0	20.1	20.0	-2.1	373.4	339.9	99.9	99.9	56.7	90
50.3	129.0	16559.7	100.0	-69.6	-99.9	261.2	14.4	14.2	-2.2	373.2	339.9	99.9	99.9	59.3	90
58.5	137.3	18302.4	75.0	-65.0	-99.9	240.3	5.8	5.0	2.9	436.7	339.9	99.9	99.9	61.0	90
62.5	145.3	20836.9	50.0	-55.5	-99.9	110.1	4.6	-4.3	1.6	512.9	339.9	99.9	99.9	60.4	89
73.5	153.7	25340.0	25.0	-46.4	-99.9	94.1	5.3	-5.3	0.4	651.6	339.9	99.9	99.9	57.8	88

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS10 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT Y DEG K	MX RTO GN/KG	RM PCT	RANGE AZ KM	DEG
0.0	7.6	268.0	978.0	26.7	18.6	130.0	9.3	-7.1	6.0	301.8	339.0	13.9	61.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	8.1	295.2	975.0	25.8	15.5	99.9	99.9	99.9	99.9	301.1	331.9	11.5	52.9	999.9	999.9
0.6	10.3	523.4	957.0	23.6	14.5	99.9	99.9	99.9	99.9	301.2	320.8	11.0	56.4	999.9	999.9
1.5	12.5	757.8	925.0	24.6	16.5	99.9	99.9	99.9	99.9	304.5	339.5	12.9	60.5	999.9	999.9
2.4	14.8	997.7	900.0	23.3	15.9	99.9	99.9	99.9	99.9	305.8	340.7	12.8	62.3	999.9	999.9
3.2	16.8	1243.5	875.0	21.4	15.0	99.9	99.9	99.9	99.9	306.0	340.0	12.4	67.3	999.9	999.9
4.2	19.2	1494.6	850.0	19.4	15.0	99.9	99.9	99.9	99.9	306.4	341.4	12.8	75.9	999.9	999.9
5.1	21.4	1751.9	825.0	18.1	14.4	99.9	99.9	99.9	99.9	307.7	342.5	12.6	79.1	999.9	999.9
6.0	23.9	2015.5	800.0	16.4	12.8	99.9	99.9	99.9	99.9	308.7	341.2	11.7	79.2	999.9	999.9
6.9	26.2	2286.0	775.0	15.8	9.2	99.9	99.9	99.9	99.9	310.8	337.6	9.5	64.7	999.9	999.9
7.9	28.8	2544.7	750.0	15.2	4.8	99.9	99.9	99.9	99.9	313.1	334.1	7.2	49.8	999.9	999.9
8.8	31.4	2851.2	725.0	13.2	2.3	99.9	99.9	99.9	99.9	313.9	322.2	6.2	47.5	999.9	999.9
9.8	34.1	3145.3	700.0	11.1	0.4	99.9	99.9	99.9	99.9	314.8	331.4	5.6	47.6	999.9	999.9
10.9	36.7	3447.9	675.0	8.6	-2.1	297.5	8.1	7.2	-3.7	315.3	329.8	4.9	48.8	5.2	35.
12.0	39.5	3758.8	650.0	6.0	-2.2	302.7	7.9	6.6	-4.3	315.8	330.8	5.0	55.9	5.3	41.
13.1	42.2	4078.7	625.0	3.2	-3.0	316.6	8.2	5.6	-5.9	316.1	330.8	4.9	63.6	5.3	46.
14.2	45.1	4408.3	600.0	0.4	-2.8	326.3	9.5	5.2	-7.9	316.5	332.0	5.2	79.1	5.3	53.
15.7	48.1	4748.4	575.0	-2.6	-4.0	323.1	10.6	6.4	-8.5	316.9	332.1	5.1	91.5	5.2	60.
16.5	51.1	5098.9	550.0	-4.6	-15.7	307.1	12.9	10.3	-7.8	319.5	325.2	2.1	41.6	5.5	68.
17.7	54.3	5468.3	525.0	-7.5	-18.1	308.2	15.6	12.2	-9.6	319.5	325.1	1.8	42.3	6.1	76.
18.9	57.3	5842.2	500.0	-10.4	-22.6	314.3	14.2	11.6	-11.3	320.4	324.7	1.3	37.8	6.9	85.
20.3	60.8	6238.2	475.0	-11.5	-34.7	319.2	14.7	9.6	-11.1	323.7	325.2	0.4	12.6	7.7	92.
21.7	64.3	6648.3	450.0	-14.3	-38.0	324.5	13.2	7.7	-10.7	325.2	326.4	0.3	11.7	8.6	98.
23.2	67.7	7078.4	425.0	-17.5	-40.6	325.2	11.5	6.5	-9.4	326.5	327.5	0.3	11.3	9.3	103.
24.5	71.3	7528.5	400.0	-21.8	-39.7	313.4	10.2	7.4	-7.9	326.7	327.8	0.3	17.8	10.0	106.
26.2	75.2	8002.1	375.0	-24.1	-45.7	225.1	11.2	10.8	-2.9	329.7	330.4	0.2	11.5	11.0	107.
27.9	79.3	8502.8	350.0	-26.9	-51.0	209.9	14.3	14.3	0.0	332.5	332.9	0.1	8.0	12.3	106.
29.4	83.3	9034.1	325.0	-29.9	-53.2	233.9	11.6	11.1	3.2	335.5	335.8	0.1	8.2	13.5	104.
31.2	87.5	9599.1	300.0	-34.5	-55.3	281.8	12.7	12.5	-2.6	336.8	337.1	0.1	9.8	14.6	102.
33.1	92.2	10200.9	275.0	-39.5	-58.1	297.8	20.9	18.5	-9.7	338.1	338.1	0.1	11.6	16.3	104.
35.2	97.0	10847.3	250.0	-43.4	-99.9	290.7	26.0	24.4	-9.2	341.5	999.9	99.9	999.9	18.4	105.
37.4	102.0	11551.0	225.0	-46.5	99.9	299.7	27.5	23.9	-13.6	347.3	999.9	99.9	999.9	22.8	106.
40.0	108.0	12319.5	200.0	-52.9	99.9	303.1	33.9	28.4	-18.5	349.0	999.9	99.9	999.9	27.4	109.
42.5	113.8	13168.6	175.0	-58.9	99.9	765.1	33.6	27.5	-19.3	352.7	999.9	99.9	999.9	32.6	112.
45.4	120.3	14125.8	150.0	-61.7	99.9	293.7	35.1	32.1	-14.1	363.7	999.9	99.9	999.9	38.2	112.
48.8	127.7	15246.6	125.0	-65.6	99.9	321.5	25.0	15.6	-19.6	376.2	999.9	99.9	999.9	44.1	114.
52.0	136.0	16609.1	100.0	-66.4	99.9	261.2	10.7	10.5	1.6	399.4	999.9	99.9	999.9	47.7	115.
54.4	144.0	18355.0	75.0	-62.8	99.9	114.4	2.0	-1.8	0.8	441.2	999.9	99.9	999.9	49.1	114.
55.7	152.7	20869.3	50.0	-56.3	99.9	100.6	5.7	-5.4	1.0	511.0	999.9	99.9	999.9	48.6	115.
77.2	162.3	25402.3	25.0	-45.8	99.9	98.6	2.4	-2.4	0.4	653.4	999.9	99.9	999.9	45.7	116.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
DENVER, COLORADO10 JUN 1976
2300 GMT

TIME MIN	CHTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	22.8	1611.0	829.6	30.9	1.3	200.3	2.6	0.9	2.4	320.7	336.2	5.1	15.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.3	23.3	1600.6	825.0	29.4	-0.3	999.9	99.9	99.9	99.9	319.7	333.6	4.6	14.6	999.9	999.9
0.9	25.7	1633.2	800.0	27.6	-1.9	999.9	99.9	99.9	99.9	320.6	333.4	4.2	14.4	999.9	999.9
1.5	28.3	2122.6	775.0	25.0	-3.8	999.9	99.9	99.9	99.9	320.8	332.3	3.7	14.6	999.9	999.9
2.2	31.0	2498.4	750.0	22.5	-5.6	215.5	10.1	5.9	6.2	321.0	331.5	3.4	14.7	0.7	33.
3.1	33.8	2790.9	725.0	19.3	-7.2	210.7	13.3	6.8	11.4	320.6	330.3	3.1	15.5	1.4	33.
4.1	36.3	3090.7	700.0	16.6	-9.0	206.7	13.8	6.2	12.3	320.9	329.6	2.8	16.3	2.2	31.
5.2	39.2	3398.2	675.0	13.4	-10.3	203.8	13.7	5.5	12.6	320.7	328.9	2.6	18.1	3.1	29.
6.3	42.0	3715.8	650.0	10.2	-11.9	203.5	13.8	5.5	12.7	320.5	328.0	2.4	18.7	4.0	28.
7.3	45.0	4038.1	625.0	7.2	-12.4	204.4	14.1	5.8	12.8	320.7	328.2	2.4	23.1	4.8	27.
8.3	48.0	4371.7	600.0	3.9	-13.5	203.2	13.1	5.2	12.1	320.6	327.8	2.2	27.7	5.7	27.
9.4	50.9	4715.3	575.0	0.6	-14.9	204.5	14.9	6.2	13.5	320.7	327.4	2.1	35.1	6.6	26.
11.2	54.1	5069.8	550.0	-3.0	-15.5	204.3	16.2	6.7	14.8	320.6	327.2	2.1	37.2	8.3	26.
12.5	57.1	5436.4	525.0	-5.9	-15.9	206.7	14.8	6.7	13.4	321.3	326.1	2.1	4.2	9.4	26.
13.9	60.6	5816.2	500.0	-9.8	-17.3	211.6	14.8	7.8	12.6	321.6	327.5	2.0	54.4	10.7	26.
15.4	64.0	6209.5	475.0	-13.2	-19.5	216.4	13.2	7.9	10.7	321.6	327.2	1.7	59.1	12.0	27.
17.4	67.4	6618.8	450.0	-16.3	-26.1	220.3	13.1	8.5	10.0	322.8	326.1	1.0	41.6	13.5	28.
19.2	70.9	7046.3	425.0	-19.3	-33.4	213.6	15.8	8.7	13.1	324.2	326.1	0.5	27.5	15.0	29.
20.6	74.7	7493.8	400.0	-23.0	-37.6	211.2	13.3	6.9	11.4	325.1	327.5	0.4	28.6	16.3	29.
22.0	78.7	7962.9	375.0	-26.8	-42.4	224.8	15.0	10.6	10.7	326.2	327.1	0.2	21.0	17.3	30.
23.6	82.7	8457.4	350.0	-30.4	-47.9	231.5	19.4	15.2	12.1	327.7	328.3	0.1	16.1	19.0	32.
26.2	89.8	8980.8	325.0	-34.1	-51.2	229.2	21.9	16.6	14.3	329.6	337.0	0.1	15.8	22.1	34.
28.4	91.2	9336.4	300.0	-38.2	-53.7	239.6	26.3	22.7	13.3	333.9	331.9	0.1	17.6	25.1	37.
30.4	95.8	10129.2	275.0	-42.3	-59.9	239.5	33.2	28.6	16.8	333.9	999.9	99.9	999.9	28.2	39.
32.5	100.7	10763.2	250.0	-46.7	-66.7	241.3	43.3	34.0	20.4	336.7	999.9	99.9	999.9	33.2	43.
34.8	106.0	11460.7	225.0	-50.7	-69.9	242.7	44.0	39.1	20.2	340.9	999.9	99.9	999.9	38.7	46.
37.4	111.5	12223.5	200.0	-53.6	-69.9	245.7	43.5	39.7	17.9	347.9	999.9	99.9	999.9	46.0	49.
40.5	117.5	13074.4	175.0	-57.6	-69.9	244.2	33.9	30.5	14.7	354.9	999.9	99.9	999.9	52.9	51.
43.8	124.5	14041.9	150.0	-60.3	-69.9	238.7	39.5	33.8	20.5	366.2	999.9	99.9	999.9	59.4	52.
47.3	131.7	15165.4	125.0	-64.1	-69.9	232.3	30.0	23.8	18.3	378.9	999.9	99.9	999.9	67.1	53.
51.8	139.7	16528.5	100.0	-64.5	-69.9	159.9	1.7	-0.6	1.6	403.1	999.9	99.9	999.9	70.9	51.
57.5	145.0	18287.4	75.0	-60.1	-69.9	150.4	4.3	0.7	-4.3	448.8	999.9	99.9	999.9	73.7	51.
65.5	157.5	20834.7	50.0	-56.3	-69.9	109.0	6.7	-6.3	2.2	510.9	999.9	99.9	999.9	73.5	51.
78.2	167.7	25354.8	25.0	-46.7	-69.9	79.3	4.0	-4.0	-0.7	650.9	999.9	99.9	999.9	70.8	46.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 476
GRAND JUNCTION, COLORADO10 JUNE 1976
2305 GMT

TIME MIN	CNTCT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO CM/KG	PM PCT	RANGE KM	AZ DG
0.0	19.5	1472.0	842.0	31.7	-2.3	195.0	12.4	3.2	12.0	320.2	332.1	3.8	11.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	20.8	1453.4	825.0	28.0	2.1	202.3	12.9	4.9	11.9	318.2	334.5	5.4	15.7	0.7	16.
1.3	23.1	1924.6	800.0	25.6	0.8	192.4	15.1	3.3	14.8	319.5	331.8	5.1	19.7	1.3	16.
2.0	25.4	2202.2	775.0	22.9	-0.9	194.4	16.4	4.1	15.9	318.5	332.5	4.6	20.5	1.9	15.
2.7	27.7	2495.9	750.0	20.2	-2.1	189.8	18.6	3.2	18.3	315.6	331.9	4.4	22.1	2.7	15.
3.6	30.2	2776.6	725.0	17.4	-4.2	183.2	17.8	1.0	17.8	315.5	330.4	3.9	22.6	3.6	12.
4.6	32.7	3074.4	700.0	14.5	-5.9	177.8	18.4	-0.7	18.4	315.5	329.4	3.5	23.9	4.7	10.
5.8	35.3	3379.8	675.0	11.6	-8.1	176.5	20.1	-1.2	20.1	315.6	328.2	3.1	24.3	6.1	7.
6.9	37.8	3693.5	650.0	8.7	-9.8	176.7	20.0	-1.1	19.9	318.8	327.6	2.8	25.6	7.4	5.
8.0	40.4	4016.1	625.0	5.5	-11.6	176.1	20.3	-1.4	20.3	318.7	326.7	2.5	27.9	8.7	4.
9.0	43.0	4347.6	600.0	2.2	-13.2	177.9	20.1	-0.7	20.1	318.6	325.9	2.3	30.9	9.9	3.
10.0	45.9	4689.5	575.0	-1.1	-15.2	179.1	20.5	-0.3	20.5	318.7	325.7	2.2	36.0	11.0	2.
10.9	48.8	5042.2	550.0	-4.3	-15.5	183.2	20.8	1.2	20.8	319.0	325.6	2.1	41.3	12.2	2.
12.0	51.5	5406.6	525.0	-7.8	-17.0	186.2	21.8	3.4	21.1	319.1	325.3	1.9	47.4	13.6	3.
13.5	54.6	5783.8	500.0	-11.1	-18.9	187.2	24.3	3.0	24.1	319.5	325.0	1.7	52.2	15.7	3.
14.8	57.5	6175.1	475.0	-14.7	-20.3	186.8	23.6	2.8	23.4	319.8	325.0	1.6	62.1	17.6	4.
16.5	60.8	6581.6	450.0	-18.4	-21.1	191.5	21.6	5.1	25.1	320.1	325.2	1.6	79.8	19.9	4.
17.9	64.1	7006.0	425.0	-21.4	-23.7	194.1	20.6	7.5	23.7	321.5	324.9	1.0	91.0	22.2	5.
19.4	67.4	7450.3	400.0	-24.1	-40.5	206.1	26.4	16.0	37.7	323.7	324.7	0.3	20.0	25.3	7.
20.6	70.9	7917.9	375.0	-27.5	-44.0	212.8	37.5	26.3	31.4	325.2	325.9	0.2	19.0	27.8	9.
21.9	74.6	8410.0	350.0	-32.0	-47.1	216.8	36.4	21.8	29.2	328.6	328.2	0.2	20.5	30.4	11.
23.4	78.6	8928.5	325.0	-36.7	-50.3	217.4	38.6	23.4	30.6	328.2	328.6	0.1	22.5	33.4	14.
25.2	82.4	9477.9	300.0	-40.9	-50.9	216.8	37.6	22.5	30.1	327.7	329.9	99.9	99.9	37.2	17.
27.3	86.6	10065.4	275.0	-44.1	-50.9	217.4	46.1	28.5	37.2	331.3	329.9	99.9	99.9	42.3	19.
29.4	91.2	10699.5	250.0	-47.6	-50.9	219.9	48.1	30.9	36.9	335.3	329.9	99.9	99.9	47.8	21.
31.5	95.8	11394.7	225.0	-48.6	-50.9	230.5	50.3	38.8	32.0	344.1	329.9	99.9	99.9	53.8	24.
33.9	101.0	12165.5	200.0	-51.5	-50.9	233.8	42.6	36.4	25.2	351.3	329.9	99.9	99.9	60.1	27.
36.6	106.6	13029.2	175.0	-54.4	-50.9	230.5	37.0	28.6	23.6	360.1	329.9	99.9	99.9	65.5	29.
39.7	112.8	14007.4	150.0	-59.6	-50.9	220.2	34.6	22.3	28.4	367.4	329.9	99.9	99.9	71.6	31.
42.8	119.5	15151.8	125.0	-59.6	-50.9	211.2	21.5	11.1	18.4	386.8	329.9	99.9	99.9	77.5	32.
46.5	127.3	16545.5	100.0	-60.5	-50.9	217.1	7.9	4.2	9.6	410.9	329.9	99.9	99.9	80.7	33.
51.3	136.3	18313.0	75.0	-59.8	-50.9	216.2	12.2	7.2	9.8	447.5	329.9	99.9	99.9	82.5	34.
58.0	145.5	20872.9	50.0	-55.3	-50.9	86.2	4.8	-4.6	-0.3	513.3	329.9	99.9	99.9	82.8	35.
68.4	155.5	25390.8	25.0	-48.4	-50.9	59.9	5.2	-4.5	-2.6	645.8	329.9	99.9	99.9	81.0	36.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

10 JUNE 1976
2300 GMT

153 30 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO GM/KG	RH DCT	RANGE KM	AZ DG
0.0	6.8	202.0	988.0	25.6	16.7	230.0	4.1	3.1	2.6	299.8	332.4	12.2	58.0	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.3	8.0	317.9	975.0	24.2	15.6	239.1	6.8	5.9	3.5	299.6	330.3	11.5	58.5	0.3	61.
1.2	10.2	545.8	950.0	21.7	14.3	235.8	8.4	7.0	4.7	299.2	328.3	10.9	62.9	0.6	59.
1.8	12.4	775.7	925.0	19.6	13.3	233.4	10.1	8.1	6.0	299.4	327.5	10.5	66.9	1.0	57.
2.5	14.7	1011.1	900.0	17.4	11.7	229.4	12.2	9.2	7.9	299.4	325.4	9.6	69.1	1.4	56.
3.2	16.8	1251.7	875.0	16.2	11.0	226.2	11.6	9.4	6.8	300.6	326.3	9.5	71.4	2.0	54.
4.0	19.3	1498.2	850.0	15.1	9.9	223.3	7.6	7.5	2.0	302.0	325.8	9.1	70.9	2.4	55.
4.8	21.5	1751.1	825.0	14.1	8.9	220.0	7.7	7.3	-2.5	303.5	327.6	8.7	70.9	2.7	60.
5.6	24.1	2010.4	800.0	12.6	6.0	226.3	7.0	6.7	-2.2	304.5	325.2	7.4	64.5	3.0	67.
6.7	26.4	2276.9	775.0	11.4	4.4	228.3	5.5	5.2	-1.7	306.1	325.2	6.8	62.0	3.3	71.
7.6	29.1	2550.1	750.0	9.4	2.7	221.6	4.7	4.6	-0.9	306.8	324.5	6.2	62.9	3.5	74.
8.5	31.8	2830.8	725.0	7.2	1.2	219.9	4.8	4.7	-0.9	307.4	323.9	5.8	65.6	3.7	75.
9.5	34.4	3119.0	700.0	5.7	0.6	225.0	5.9	5.4	-2.5	308.8	325.3	5.7	70.0	4.0	77.
10.6	37.0	3416.5	675.0	4.9	-0.9	311.6	5.8	4.3	-3.8	311.1	326.6	5.3	68.0	4.3	81.
11.7	39.9	3723.6	650.0	2.8	-3.3	336.6	5.9	2.3	-5.4	312.1	325.5	4.6	64.3	4.5	85.
12.9	42.6	4040.4	625.0	0.7	-5.5	337.9	8.3	3.1	-7.7	313.3	325.5	4.1	63.3	4.6	91.
14.0	45.6	4367.2	600.0	-1.8	-9.0	336.5	10.9	4.4	-10.0	314.1	323.9	3.2	57.6	4.9	98.
15.1	48.6	4708.7	575.0	-4.1	-12.1	337.7	12.1	4.6	-11.2	315.2	323.3	2.6	53.3	5.4	105.
16.4	51.5	5056.6	550.0	-5.7	-16.3	337.2	11.7	4.5	-10.9	317.4	323.5	1.9	42.6	6.0	112.
17.7	54.4	5417.7	525.0	-7.9	-17.9	337.1	11.1	4.3	-10.3	318.9	324.6	1.8	44.4	6.6	118.
19.0	57.9	5798.5	500.0	-10.1	-16.9	336.7	12.6	5.0	-11.5	320.8	327.3	2.0	57.1	7.3	122.
20.4	61.3	6189.4	475.0	-12.6	-24.0	330.8	12.1	5.9	-10.6	322.4	326.3	1.2	37.7	8.3	126.
21.8	64.9	6600.3	450.0	-14.8	-30.1	315.8	11.8	6.2	-8.5	324.7	327.1	0.7	25.9	9.2	128.
23.3	68.3	7031.9	425.0	-16.4	-46.8	312.8	11.0	6.0	-7.4	328.0	328.5	0.1	5.3	10.3	128.
25.0	71.9	7484.2	400.0	-20.5	-37.8	315.4	10.5	7.4	-7.5	328.3	329.7	0.4	19.5	11.4	129.
26.9	75.8	7957.9	375.0	-24.8	-41.6	312.4	13.8	10.2	-9.3	329.8	329.8	0.3	19.9	12.6	129.
28.8	80.0	8458.3	350.0	-27.9	-48.9	315.5	17.0	11.9	-12.1	331.2	331.7	0.1	11.3	14.4	130.
30.6	84.0	8984.6	325.0	-32.0	-52.6	309.4	16.0	12.4	-10.1	332.6	333.0	0.1	10.8	16.3	130.
32.6	88.2	9544.6	300.0	-36.5	-42.1	293.8	11.7	10.7	-4.7	333.9	335.1	0.3	58.0	17.9	130.
34.5	92.0	10149.7	275.0	-41.8	99.9	281.3	12.6	12.4	-2.5	334.7	999.9	99.9	999.9	19.2	128.
36.6	97.8	10778.7	250.0	-47.7	99.9	278.4	15.0	14.8	-2.2	335.2	999.9	99.9	999.9	20.7	126.
38.8	102.8	11468.4	225.0	-54.0	99.9	285.6	18.8	18.1	-5.1	335.8	999.9	99.9	999.9	22.7	123.
41.6	108.6	12209.8	200.0	-59.6	99.9	287.0	19.1	18.3	-5.6	336.4	999.9	99.9	999.9	25.9	121.
44.5	114.5	13030.9	175.0	-62.3	99.9	309.3	5.5	4.3	-3.5	347.1	999.9	99.9	999.9	28.0	121.
48.0	121.0	13998.7	150.0	-60.9	99.9	303.9	11.8	9.8	-6.6	365.2	999.9	99.9	999.9	30.5	121.
52.4	128.3	15129.4	125.0	-61.8	99.9	308.8	11.2	8.7	-7.0	353.0	999.9	99.9	999.9	32.9	122.
57.6	136.0	16503.8	100.0	-63.2	99.9	316.9	7.1	4.9	-5.2	405.7	999.9	99.9	999.9	36.7	123.
63.8	143.3	18278.5	75.0	-62.3	99.9	330.8	4.9	2.4	-4.2	442.3	999.9	99.9	999.9	38.1	123.
72.1	151.3	27820.9	50.0	-54.8	99.9	60.5	3.0	-3.0	-0.5	514.4	999.9	99.9	999.9	37.7	124.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA10 JUNE 1976
2305 GMT

150 160 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPFDD M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PRT Y DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.6	400.0	959.0	31.4	19.4	150.3	5.2	0.9	5.1	308.2	349.3	15.0	49.0	0.0	0.
9.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	10.3	484.9	950.0	30.5	19.9	99.9	94.9	99.9	99.9	308.2	351.0	15.6	53.1	99.9	99.9
1.0	12.3	722.6	925.0	26.9	17.4	99.9	99.9	99.9	99.9	306.8	344.2	13.7	56.2	99.9	99.9
1.9	14.3	964.2	900.0	24.4	16.1	99.9	10.0	3.2	9.5	306.6	342.2	13.0	60.1	1.3	11.
2.9	16.3	1211.0	875.0	22.7	15.9	209.1	12.7	6.2	11.1	307.4	343.5	13.2	65.6	1.9	15.
3.6	18.8	1463.8	850.0	23.2	4.9	215.3	7.7	4.5	6.3	310.5	329.9	6.8	32.7	2.4	19.
4.6	21.0	1723.6	825.0	22.5	-3.5	158.6	2.9	-1.0	2.7	312.4	323.2	3.6	17.3	2.6	19.
5.6	23.4	1989.9	800.0	20.7	-13.7	101.9	4.3	-4.2	0.9	313.3	316.5	1.7	8.6	2.6	16.
6.6	25.6	2262.6	775.0	18.9	-13.9	79.1	4.1	-4.0	-0.8	314.2	319.5	2.1	9.6	2.6	10.
7.7	28.0	2522.0	752.0	14.0	-11.7	67.2	2.0	-2.0	-0.1	313.9	320.4	2.1	13.7	2.5	6.
8.7	30.5	2828.5	725.0	13.4	-6.2	66.9	1.1	-1.0	-0.4	314.2	320.3	3.2	25.1	2.5	4.
9.7	33.1	3122.3	700.0	11.1	-9.5	16.0	1.6	-0.4	-1.5	313.7	323.0	2.7	26.0	2.3	3.
10.9	35.6	3424.2	675.0	8.5	-9.9	348.3	2.6	0.5	-2.5	315.1	323.3	2.1	23.7	2.1	6.
12.0	38.1	3734.1	650.0	5.4	-13.5	342.0	3.3	1.0	-3.2	315.3	321.8	2.0	26.0	1.9	8.
13.2	40.7	4033.2	625.0	2.9	-14.7	342.1	3.5	1.1	-3.4	315.6	322.0	2.5	19.4	1.7	14.
14.4	43.4	4342.0	600.0	0.0	-12.1	321.5	5.0	3.1	-3.9	316.1	324.0	0.0	1.0	3.2	103.
15.6	46.3	4721.2	575.0	-3.0	-17.0	323.1	6.1	3.7	-4.9	316.5	322.1	1.7	32.8	1.5	28.
16.9	49.3	5071.6	550.0	-5.4	-26.9	314.2	7.4	5.3	-5.1	317.7	323.3	0.8	16.5	1.3	47.
18.3	52.1	5435.3	525.0	-7.5	-28.1	307.1	10.0	8.0	-6.0	319.4	321.8	0.7	17.4	1.6	73.
19.6	55.2	5812.7	500.0	-10.5	-41.4	308.0	11.9	9.4	-7.8	320.3	321.2	0.2	7.0	2.4	96.
21.2	58.1	6205.6	475.0	-13.0	-58.2	305.9	12.2	9.4	-7.8	321.9	322.0	0.0	1.0	3.2	103.
22.7	61.6	6616.4	450.0	-14.6	-59.2	324.7	10.6	6.1	-8.7	324.9	325.0	0.0	1.0	4.2	112.
24.2	65.0	7046.5	425.0	-18.1	-61.4	335.1	8.7	3.7	-7.9	325.8	325.9	0.0	1.0	4.9	118.
25.9	68.3	7496.2	400.0	-22.0	-61.2	324.1	9.7	5.7	-7.9	326.4	326.5	0.0	1.5	5.6	124.
27.7	71.7	7968.0	375.0	-24.8	-61.4	303.3	9.7	8.1	-5.3	328.9	329.9	0.0	1.8	6.7	125.
29.5	75.4	8466.5	350.0	-28.2	-60.7	286.7	10.4	10.0	-3.0	330.7	331.2	0.1	12.0	7.8	123.
31.4	79.5	8997.7	325.0	-32.6	-50.3	269.6	8.1	8.1	0.1	331.8	332.3	0.1	1.4	8.8	120.
33.4	83.3	9532.4	300.0	-37.1	-56.5	265.1	8.4	8.1	-2.2	333.1	333.3	0.1	11.0	9.6	118.
35.4	87.6	10147.5	275.0	-42.0	-56.5	265.7	11.8	11.4	-2.2	334.4	334.9	99.9	99.9	10.4	117.
37.7	92.2	10786.3	250.0	-46.6	-56.5	261.5	17.3	16.9	-3.4	336.9	336.9	99.9	99.9	12.7	114.
40.2	97.0	11479.0	225.0	-50.2	-56.5	263.0	19.8	19.3	-4.4	341.6	341.6	99.9	99.9	15.6	113.
43.0	102.0	12239.9	200.0	-54.0	-56.5	263.8	22.0	20.2	-8.9	347.3	347.3	99.9	99.9	18.9	112.
46.2	108.0	13086.3	175.0	-58.3	-56.5	262.8	25.2	23.2	-6.8	352.7	352.7	99.9	99.9	23.5	112.
49.7	114.0	14051.6	150.0	-61.3	-56.5	263.0	28.7	26.3	-11.6	356.2	356.2	99.9	99.9	29.6	112.
53.6	121.7	15174.6	125.0	-65.2	-56.5	266.2	16.4	14.7	-7.2	376.9	376.9	99.9	99.9	35.0	112.
58.1	128.7	16528.8	100.0	-65.5	-56.5	266.8	11.9	11.9	0.7	401.3	401.3	99.9	99.9	39.1	111.
64.1	137.3	18208.8	75.0	-62.7	-56.5	297.6	5.3	4.7	-2.4	441.4	441.4	99.9	99.9	41.2	110.
72.2	146.0	21846.9	50.0	-54.9	-56.5	270.2	2.5	2.5	-0.0	514.1	514.1	99.9	99.9	41.3	111.
84.1	155.3	25353.2	25.0	-44.4	-56.5	119.6	3.3	-2.9	1.6	645.9	645.9	99.9	99.9	39.4	112.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA
10 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	13.6	847.0	906.5	32.2	12.4	150.0	7.7	-3.9	6.7	314.1	342.9	10.1	30.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	14.2	911.9	900.0	32.6	13.7	146.4	13.7	-8.2	13.4	315.1	346.7	11.1	31.9	0.5	32.3
1.4	16.1	1165.0	875.0	30.5	12.1	148.3	14.5	-7.6	12.4	315.4	344.8	10.2	32.5	1.3	32.6
2.6	18.3	1423.3	850.0	27.8	10.6	152.0	14.6	-6.9	12.9	315.3	342.6	9.5	34.2	2.4	32.8
3.9	20.5	1686.9	825.0	25.3	9.2	158.5	14.4	-5.3	13.6	315.4	341.1	8.9	36.0	3.5	33.0
5.1	22.7	1956.1	800.0	22.8	8.1	161.0	14.9	-4.8	14.1	315.4	340.1	8.5	38.9	4.6	33.2
6.2	25.1	2231.3	775.0	20.8	2.6	158.6	13.5	-4.9	12.4	316.2	334.0	6.0	30.1	5.5	33.4
7.3	27.3	2513.6	750.0	18.8	-1.8	158.2	10.8	-5.3	9.3	317.0	330.5	4.5	24.6	6.3	33.6
8.3	29.7	2803.2	725.0	16.4	-2.6	154.0	11.2	-4.9	10.0	317.5	330.7	4.4	27.1	7.0	33.6
9.4	32.3	3100.1	700.0	13.6	-3.8	145.7	9.3	-2.5	9.0	317.6	330.2	4.1	29.7	7.6	33.6
10.5	34.9	3405.0	675.0	11.1	-4.4	175.4	8.3	-0.7	8.2	318.1	330.6	4.1	33.4	8.2	33.6
11.4	37.3	3718.5	650.0	8.3	-5.0	180.8	6.3	0.1	6.3	318.3	330.7	4.1	38.4	8.6	33.6
12.6	40.0	4040.8	625.0	5.4	-6.2	194.7	4.6	3.5	4.6	318.6	330.4	3.8	42.8	8.9	33.6
13.7	42.6	4372.9	600.0	2.4	-8.3	210.6	7.0	3.5	6.0	318.9	329.4	3.4	45.2	9.1	33.6
14.9	45.4	4715.3	575.0	-0.5	-10.7	224.7	7.4	5.2	5.2	319.5	328.7	2.9	45.8	9.4	33.6
16.3	48.4	5068.6	550.0	-2.6	-15.9	231.4	9.4	7.5	6.0	319.8	326.2	2.0	37.8	9.7	33.6
17.4	51.1	5474.3	525.0	-6.8	-18.3	238.4	11.4	9.7	4.0	320.1	325.9	1.7	39.4	10.0	34.0
18.7	54.3	5813.0	500.0	-10.0	-20.3	245.9	11.6	10.6	4.8	320.8	325.8	1.5	42.5	10.3	35.5
19.9	57.4	6156.2	475.0	-13.6	-20.5	252.4	11.1	10.6	3.4	321.2	326.3	1.4	55.7	10.6	35.9
21.4	60.7	6415.0	450.0	-16.5	-23.9	258.6	11.7	11.7	0.3	322.5	326.6	1.2	52.8	10.8	4.0
22.9	64.1	7043.3	425.0	-18.8	-24.5	260.7	12.5	12.3	-2.1	324.9	329.1	1.2	60.1	10.8	10.0
24.9	67.4	7493.7	400.0	-20.8	-24.3	263.6	14.4	13.2	-5.8	327.9	329.8	0.5	28.6	10.6	18.0
26.7	71.0	7967.8	375.0	-23.6	-34.3	268.4	15.8	15.9	-5.1	330.3	332.3	0.5	36.4	10.6	28.0
28.2	74.8	8468.7	350.0	-27.1	-35.1	272.6	17.9	17.9	-0.8	332.3	334.3	0.5	46.2	11.2	35.0
29.9	78.8	8999.4	325.0	-30.9	-37.9	256.7	18.1	17.6	4.2	334.1	335.8	0.4	49.5	12.5	42.0
31.7	83.0	9561.9	300.0	-35.5	40.0	261.1	18.7	18.5	2.9	335.4	336.4	0.4	62.7	14.1	48.0
33.8	87.2	10163.0	275.0	-39.5	99.9	257.0	18.8	18.3	4.2	339.0	339.9	99.9	99.9	16.1	51.0
35.7	92.0	10807.9	250.0	-44.7	99.9	235.7	20.7	17.8	10.4	339.7	339.9	99.9	99.9	18.3	53.0
37.6	95.8	11594.9	225.0	-50.2	99.9	242.8	21.7	19.3	9.9	341.6	339.9	99.9	99.9	20.8	54.0
40.0	101.8	12265.5	200.0	-55.1	99.9	248.7	25.6	26.3	3.9	345.5	339.9	99.9	99.9	24.1	56.0
42.7	107.8	13110.4	175.0	-58.6	99.9	249.2	28.8	28.0	0.4	353.1	339.9	99.9	99.9	28.2	62.0
45.4	114.0	14067.8	150.0	-63.1	99.9	256.3	28.9	28.0	6.8	351.5	339.9	99.9	99.9	32.5	64.0
49.3	121.0	15182.9	125.0	-65.7	99.9	249.2	31.7	31.7	1.0	376.0	339.9	99.9	99.9	39.9	68.0
56.0	129.0	16540.6	100.0	-63.4	99.9	263.5	17.2	10.1	1.1	455.2	339.9	99.9	99.9	46.9	68.0
60.1	137.3	18313.4	75.0	-61.6	99.9	246.6	6.2	5.6	2.4	443.9	339.9	99.9	99.9	49.2	69.0
68.9	146.0	20857.4	50.0	-56.3	99.9	69.3	6.3	-5.9	-2.2	510.8	339.9	99.9	99.9	48.8	69.0
63.3	155.0	25331.8	25.0	-48.5	99.9	118.6	5.5	-4.9	2.6	645.2	339.9	99.9	99.9	46.3	66.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

00 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

STATION NO. 637
F. INT. MICHIGAN

10 JUNE 1976
2300 GMT

TIME MIN	ONCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.2	7.4	236.0	981.0	27.8	13.0	250.0	5.2	4.9	1.8	302.6	328.9	9.6	40.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	7.9	290.2	975.0	27.3	99.9	239.8	7.8	0.8	3.9	302.6	99.9	99.9	99.9	0.2	56.
0.6	10.1	519.2	950.0	26.3	9.9	239.8	8.4	7.2	4.2	303.3	329.3	8.1	35.8	0.3	64.
1.5	12.1	753.2	925.0	23.7	8.5	247.0	9.4	6.7	3.7	303.5	324.5	7.5	37.8	0.8	63.
2.5	14.4	992.0	900.0	21.6	7.9	238.9	10.5	9.0	5.4	303.8	324.6	7.5	41.2	1.3	68.
3.3	16.4	1235.4	875.0	19.3	7.4	239.9	11.8	10.2	5.9	303.9	324.6	7.4	46.0	1.9	62.
4.2	18.7	1463.8	850.0	17.1	7.0	240.0	12.5	10.8	6.3	304.1	324.8	7.5	51.6	2.5	62.
4.9	20.8	1737.8	825.0	14.6	6.1	241.3	12.4	10.9	6.0	304.1	324.8	7.2	56.6	3.1	61.
5.9	23.3	1997.1	800.0	12.1	5.5	237.6	14.9	12.5	8.0	304.0	323.8	7.1	64.0	3.9	61.
6.9	25.8	2262.4	775.0	9.3	5.0	236.3	15.3	12.2	7.8	303.8	323.6	7.1	74.7	4.7	60.
7.6	28.1	2533.6	750.0	7.6	4.5	240.9	14.4	13.4	5.2	304.9	321.6	5.9	67.7	5.5	60.
8.7	30.7	2812.7	725.0	7.5	-16.5	265.2	12.5	12.4	1.0	307.7	312.3	1.5	16.4	6.3	63.
9.7	33.3	3100.9	700.0	5.6	-2.5	269.9	10.0	10.0	0.0	308.6	321.9	4.5	55.9	6.9	66.
10.8	35.8	3397.3	675.0	3.4	-8.3	275.4	9.1	9.1	-0.8	309.4	325.5	5.6	77.0	7.4	68.
11.9	38.5	3702.9	650.0	1.1	0.3	274.9	9.4	9.4	-0.4	310.2	327.7	6.1	94.7	8.0	74.
13.0	41.1	4017.5	625.0	-1.4	-3.4	266.8	9.4	9.4	0.5	310.9	327.0	4.9	86.6	8.6	72.
14.2	44.0	4342.2	600.0	-2.4	-27.5	253.5	13.4	12.8	3.8	313.3	315.5	0.7	12.5	9.3	72.
15.4	46.9	4679.3	575.0	-3.6	-29.7	253.0	16.5	15.8	4.8	315.7	317.6	0.6	11.1	10.4	72.
16.6	50.0	5029.0	550.0	-5.2	-32.4	258.3	17.4	16.8	4.5	317.9	319.4	0.5	9.6	11.7	72.
17.9	52.9	5393.3	525.0	-6.9	-35.3	254.5	16.7	16.4	3.0	320.1	321.4	0.4	8.2	13.0	73.
19.3	55.9	5772.1	500.0	-9.2	-37.5	246.0	15.3	14.8	3.7	321.9	322.9	0.3	7.9	14.5	73.
20.9	59.3	6167.0	475.0	-11.7	-36.6	248.8	14.2	13.9	2.8	323.5	324.7	0.3	10.5	15.8	74.
22.4	62.7	6578.7	450.0	-15.0	-37.1	241.4	10.2	10.1	1.4	324.3	325.6	0.3	13.1	17.0	74.
23.8	66.0	7008.2	425.0	-17.7	-37.3	249.2	8.5	8.5	0.1	325.3	327.4	0.3	12.0	17.5	74.
25.4	69.7	7459.3	400.0	-21.4	-41.0	272.7	9.2	9.2	-0.4	327.2	328.1	0.3	15.1	18.4	75.
27.1	73.3	7931.8	375.0	-25.1	-44.1	297.7	9.0	7.1	-3.7	329.3	329.1	0.2	15.0	19.2	77.
28.8	77.3	8429.6	350.0	-28.6	-46.9	293.9	5.5	5.0	-2.2	330.2	330.4	0.2	15.1	19.8	78.
30.7	81.2	8957.9	325.0	-31.1	-48.9	309.9	3.4	2.9	-2.5	333.8	334.3	0.1	14.4	20.2	79.
32.6	85.5	9519.5	300.0	-36.1	-52.8	322.2	5.8	3.5	-4.6	334.5	334.9	0.1	15.9	20.5	80.
34.5	90.0	10116.7	275.0	-41.1	-59.9	325.3	9.9	5.6	-8.1	335.7	335.7	99.9	99.9	20.9	82.
36.6	94.8	10757.7	250.0	-46.1	-64.9	325.3	11.2	6.4	-9.2	337.5	337.5	99.9	99.9	21.9	86.
39.1	99.8	11449.0	225.0	-51.9	-69.9	319.0	8.0	5.3	-6.0	339.9	339.9	99.9	99.9	22.3	88.
41.6	105.3	12202.1	200.0	-57.8	-74.9	309.9	10.8	8.3	-6.9	341.2	341.2	99.9	99.9	23.4	91.
44.3	111.3	13034.3	175.0	-62.6	-80.9	321.9	11.9	7.3	-9.3	344.7	344.7	99.9	99.9	25.2	94.
47.3	117.7	13979.6	150.0	-61.2	-84.9	324.1	3.4	3.2	1.0	346.6	346.6	99.9	99.9	25.2	96.
50.9	123.3	15131.2	125.0	-58.0	-89.9	288.2	9.4	9.3	-3.1	350.1	350.1	99.9	99.9	26.6	97.
54.8	130.0	16531.9	100.0	-60.7	-92.9	327.1	6.6	3.6	-5.4	410.5	99.9	99.9	99.9	28.6	99.
60.0	141.3	18317.7	75.0	-60.7	-99.9	311.8	5.7	4.2	-7.8	445.7	99.9	99.9	99.9	29.9	100.
66.4	150.0	20872.4	50.0	-56.0	-99.9	353.7	2.7	0.3	-2.7	511.5	99.9	99.9	99.9	30.7	102.
77.0	159.3	25403.0	25.0	-46.1	-99.9	999.9	99.9	99.9	99.9	652.7	99.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 645
GREEN BAY, WISCONSIN10 JUNE 1976
2315 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCNP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCY	RANGE KM	AZ DG
0.3	7.5	210.0	981.0	28.3	19.0	210.2	3.6	1.0	3.1	303.1	341.4	14.2	57.0	0.0	0.
0.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	6.0	264.3	975.0	27.1	99.9	201.7	3.8	1.4	3.6	302.4	999.9	99.9	99.9	0.1	42.
1.0	10.1	493.2	950.0	24.7	15.4	220.4	3.9	2.6	3.0	302.2	333.7	11.7	56.3	0.3	32.
2.0	11.9	726.9	925.0	22.9	14.0	254.6	4.8	4.7	1.3	302.8	332.5	11.0	57.1	0.5	43.
2.9	14.0	965.8	900.0	23.1	7.9	278.4	5.7	5.6	-0.9	305.3	325.1	7.0	35.6	0.7	63.
3.8	15.9	1210.2	875.0	20.3	6.6	263.3	3.6	3.6	0.3	304.9	324.2	7.0	40.9	0.9	72.
4.7	18.1	1459.3	850.0	18.0	6.1	283.8	5.0	4.9	-1.2	305.0	324.6	7.0	45.6	1.2	73.
5.5	20.3	1714.5	825.0	16.4	5.3	298.1	6.2	5.5	-2.9	305.0	325.2	6.8	47.8	1.4	82.
6.5	22.4	1975.7	800.0	14.2	4.3	314.5	5.8	4.1	-4.0	306.2	324.7	6.5	51.3	1.7	90.
7.6	24.7	2242.7	775.0	11.8	4.3	304.2	6.5	5.0	-4.1	306.6	325.7	6.6	50.9	2.0	98.
8.7	26.8	2517.1	750.0	10.5	5.0	310.0	8.0	6.1	-5.2	308.0	328.8	7.3	68.5	2.4	103.
9.8	29.2	2798.8	725.0	8.4	2.6	318.0	9.9	6.6	-7.4	308.7	32.1	6.4	66.9	2.9	109.
11.0	31.7	3086.5	700.0	6.4	1.2	324.2	10.1	5.9	-8.2	309.5	326.8	6.0	69.6	3.5	116.
12.9	34.3	3386.1	675.0	4.6	-2.7	328.8	10.9	5.7	-9.4	310.8	324.4	4.6	58.9	4.1	123.
13.2	36.7	3692.9	650.0	2.3	-7.5	330.6	10.5	5.2	-9.2	312.1	322.2	3.4	46.6	4.8	125.
14.4	39.2	4008.7	625.0	-0.1	-13.2	332.0	11.3	5.3	-9.2	312.3	319.1	2.2	36.6	5.5	128.
15.6	41.8	4334.0	600.0	-2.1	-27.8	335.1	13.5	5.7	-12.3	313.7	315.9	0.7	12.0	6.3	132.
16.8	44.5	4670.8	575.0	-3.9	-31.4	336.3	14.5	6.1	-13.2	315.4	317.1	0.5	9.7	7.2	135.
18.1	47.3	5020.4	550.0	-5.6	-39.8	329.4	14.1	7.1	-12.1	317.5	318.3	0.2	4.7	8.3	138.
19.3	50.2	5383.8	525.0	-7.7	-38.5	322.9	12.8	7.7	-10.2	319.2	320.4	0.3	7.9	9.3	140.
20.8	53.1	5760.6	500.0	-11.2	-43.5	327.4	12.4	6.7	-10.5	319.4	319.9	0.2	4.9	10.4	143.
22.1	56.9	6152.6	475.0	-13.4	-43.7	324.7	13.1	7.6	-10.7	321.4	322.0	0.2	4.7	11.4	146.
23.6	59.1	6561.5	450.0	-16.0	-45.0	322.4	12.5	7.6	-9.9	323.1	323.7	0.1	6.1	12.6	148.
25.3	62.5	6990.0	425.0	-18.6	-46.6	317.9	13.4	9.2	-10.2	325.1	325.6	0.1	6.4	13.7	150.
26.8	65.8	7439.2	400.0	-21.5	-50.2	298.9	13.0	9.1	-9.7	325.7	327.1	0.1	5.6	15.1	150.
28.4	68.3	7910.5	375.0	-25.6	-50.8	294.9	11.2	9.9	-5.4	327.6	328.1	0.1	7.4	16.2	139.
30.4	72.8	8477.3	350.0	-28.8	-51.6	271.4	13.3	13.3	-0.3	330.0	330.3	0.1	9.0	17.4	136.
32.3	76.8	8933.1	325.0	-32.1	-52.2	254.2	12.5	12.1	3.2	331.1	331.5	0.1	12.5	18.4	132.
34.5	80.7	9491.0	300.0	-37.4	-47.5	241.1	12.2	10.7	5.9	332.6	333.1	0.2	31.9	19.1	128.
36.6	85.0	10087.0	275.0	-40.9	-49.9	244.5	15.9	14.9	1.6	336.0	999.9	99.9	99.9	19.9	123.
38.9	89.4	10726.6	250.0	-46.4	-49.9	244.8	17.7	17.6	1.6	337.0	999.9	99.9	99.9	21.4	119.
41.2	94.3	11418.1	225.0	-53.1	-49.9	271.8	20.6	20.0	-0.4	337.2	999.9	99.9	99.9	23.8	116.
43.9	99.4	12169.9	200.0	-58.2	-49.9	271.2	17.6	17.6	-0.4	340.7	999.9	99.9	99.9	26.9	113.
46.9	104.8	13011.7	175.0	-62.0	-49.9	258.2	14.3	14.0	3.9	347.6	999.9	99.9	99.9	29.2	111.
50.4	111.0	13959.1	150.0	-59.0	-49.7	274.3	15.5	15.5	-1.1	368.4	999.9	99.9	99.9	31.8	108.
54.4	117.8	15107.0	125.0	-56.6	-49.9	304.8	9.4	7.7	-5.4	392.5	999.9	99.9	99.9	35.2	104.
58.4	125.7	16502.8	100.0	-62.1	-49.7	297.8	9.8	8.6	-4.6	407.7	999.9	99.9	99.9	38.2	100.
63.5	134.5	18290.5	75.0	-60.6	-49.9	291.6	5.9	7.7	-1.2	445.6	999.9	99.9	99.9	40.1	106.
73.7	143.0	20841.8	50.0	-57.0	-49.9	49.1	2.3	-1.7	-1.6	509.2	999.9	99.9	99.9	41.2	106.
88.9	152.0	25345.1	25.0	-45.1	-49.9	27.0	7.7	-7.7	-0.4	655.1	999.9	99.9	99.9	40.3	118.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
MURON, SOUTH SAKOTA

10 JUNE 1976
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM ANGLE MINUTE VALUES

143 29. 1

TIME MIN	CNTCY	HEIGHT GPM	PRES HG	TEMP DG C	D-W PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH PCY	RANGE KM	AZ DG
0.0	9.2	392.0	956.0	35.0	7.1	150.7	5.7	-2.9	4.9	312.2	331.5	6.7	19.0	0.7	0.
0.1	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	9.7	489.2	950.0	34.9	11.9	144.9	1.6	-0.9	1.3	312.6	330.6	9.6	25.6	0.4	32.
0.3	11.5	690.3	925.0	32.6	6.0	127.3	1.8	-1.4	1.1	312.6	331.1	6.4	19.0	0.6	32.
0.4	13.5	935.8	900.0	30.4	5.7	126.6	6.8	-4.7	5.0	312.9	331.5	6.4	21.0	0.8	32.
0.5	14.5	1186.2	875.0	27.6	6.0	142.8	9.4	-5.7	7.5	312.7	332.1	6.7	25.0	1.1	33.
0.6	17.5	1441.7	850.0	25.4	5.9	147.1	10.1	-5.5	8.5	312.8	332.7	6.9	28.5	1.5	33.
0.7	19.7	1702.8	825.0	23.0	5.4	155.9	7.3	-3.1	6.6	312.9	332.7	6.8	31.9	1.9	35.
0.8	21.7	1965.7	800.0	20.4	5.1	163.2	5.2	-1.5	5.0	312.9	332.9	6.9	36.8	2.2	37.
0.9	24.1	2242.4	775.0	17.7	5.1	172.8	5.7	-0.2	5.7	312.8	333.5	7.1	43.4	2.5	39.
1.0	26.2	2521.6	750.0	14.9	5.4	180.1	4.5	0.6	4.5	312.8	334.6	7.6	53.0	2.8	39.
1.1	28.5	2807.6	725.0	12.4	3.0	213.4	3.3	1.8	2.7	313.1	332.2	6.6	52.4	3.0	37.
1.2	31.0	3100.7	700.0	9.8	-0.4	236.3	3.4	2.9	1.7	313.1	329.1	5.3	48.9	3.1	39.
1.3	33.5	3401.8	675.0	7.2	-2.9	262.7	4.5	4.5	0.5	313.7	327.4	4.6	45.5	3.0	25.
1.4	36.9	3711.2	650.0	5.1	-5.5	273.8	6.3	6.3	-0.4	314.8	326.6	3.9	46.2	3.0	35.
1.5	39.4	4030.3	625.0	2.8	-10.2	277.5	7.7	7.7	-1.0	315.6	323.0	2.8	37.7	2.9	38.
1.6	42.8	4358.9	600.0	-0.0	-13.3	279.2	8.3	8.2	-1.3	315.1	323.0	2.2	34.6	2.8	8.
1.7	46.5	4697.8	575.0	-3.4	-15.2	283.8	8.7	8.5	-2.1	316.0	322.4	2.0	30.3	2.9	17.
1.8	49.4	5047.1	550.0	-6.9	-16.4	288.2	9.4	8.9	-2.9	315.9	321.9	1.9	26.6	2.9	31.
1.9	52.1	5407.8	525.0	-10.5	-18.9	290.3	9.7	9.1	-3.3	315.9	321.1	1.6	20.1	3.2	43.
2.0	54.1	5781.7	500.0	-12.1	-20.1	289.0	11.1	10.5	-3.6	318.2	322.2	1.2	11.1	3.7	58.
2.1	56.3	6173.5	475.0	-13.8	-24.5	282.6	11.8	11.5	-2.8	320.9	321.1	0.0	1.8	4.7	71.
2.2	58.3	6583.0	450.0	-15.9	-28.1	282.1	10.6	10.4	-1.9	323.2	323.5	0.1	2.3	5.5	75.
2.3	61.7	7010.2	425.0	-20.0	-32.3	277.7	9.2	9.1	-1.2	323.4	323.6	0.1	3.8	6.3	79.
2.4	65.1	7457.0	400.0	-23.4	-31.7	255.7	8.6	8.4	2.1	324.4	324.9	0.1	5.4	7.0	80.
2.5	68.5	7926.5	375.0	-26.8	-31.9	270.5	10.2	10.2	-0.1	326.2	324.4	0.1	5.7	7.9	79.
2.6	72.0	8419.7	350.0	-30.9	-34.1	284.5	12.1	11.5	-0.7	327.0	327.3	0.1	8.2	9.1	82.
2.7	76.0	8941.2	325.0	-34.8	-37.2	282.2	17.3	16.9	-3.6	328.7	328.9	0.0	6.1	10.6	86.
2.8	80.1	9454.7	300.0	-39.1	-39.9	284.6	20.9	20.1	-6.0	330.2	330.9	99.9	99.9	12.7	89.
2.9	84.3	10085.4	275.0	-43.5	99.9	273.9	23.6	23.5	-1.6	332.2	332.9	99.9	99.9	15.0	91.
3.0	88.7	10719.5	250.0	-48.3	99.9	264.7	26.2	26.0	2.4	334.2	334.9	99.9	99.9	17.7	91.
3.1	93.6	11406.1	225.0	-52.9	99.9	256.8	31.8	30.9	7.2	337.4	337.9	99.9	99.9	21.9	88.
3.2	98.8	12156.3	200.0	-57.1	99.9	268.9	29.1	29.1	0.6	342.4	342.9	99.9	99.9	26.1	87.
3.3	104.3	12900.4	175.0	-58.4	99.9	272.8	27.2	27.2	-1.3	353.6	353.9	99.9	99.9	32.9	87.
3.4	110.5	13665.2	150.0	-58.1	99.9	274.3	19.1	19.0	-1.4	363.1	363.9	99.9	99.9	36.5	88.
3.5	117.3	14475.2	125.0	-62.4	99.9	277.9	19.7	19.5	-2.7	392.0	392.9	99.9	99.9	43.6	89.
3.6	125.3	15347.2	100.0	-62.2	99.9	252.8	15.7	14.6	4.5	407.5	407.9	99.9	99.9	44.1	89.
3.7	134.0	16254.2	75.0	-61.8	99.9	100.3	1.1	-1.1	0.2	443.3	443.9	99.9	99.9	46.6	89.
3.8	143.0	17204.7	50.0	-57.2	99.9	74.7	3.7	-7.6	-1.0	508.6	508.9	99.9	99.9	47.1	88.
3.9	152.9	18204.7	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 655
ST. CLOUD, MINNESOTA10 JUNE 1976
2300 GMT

148 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES IN	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT Y DEG K	MX RTO CM/KG	RM PCT	RANGE NM	AZ DEG
0.0	8.8	315.0	968.8	31.2	20.8	250.2	2.1	2.0	0.7	307.1	351.2	16.1	54.0	0.0	0.0
0.9	9.9	1000.0	968.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
9.9	9.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
10.4	10.4	490.0	950.0	28.7	96.9	233.4	9.0	7.7	4.6	306.3	96.9	96.9	96.9	0.1	71.0
1.6	12.5	725.8	925.0	26.7	18.8	242.7	8.2	7.3	3.8	306.6	347.3	14.9	61.8	0.3	64.0
2.5	14.7	967.5	900.0	24.3	16.9	251.9	7.9	7.5	2.4	306.6	343.7	13.6	63.2	0.5	65.0
3.4	17.0	1213.9	875.0	22.2	15.6	265.0	6.5	8.5	0.7	306.8	337.9	11.3	58.2	0.7	68.0
4.2	19.4	1465.7	853.0	20.8	14.4	277.4	9.6	9.6	-1.2	308.0	329.9	7.8	42.5	0.9	74.0
5.1	21.5	1723.1	825.0	19.9	-9.4	291.4	10.8	10.0	-1.0	309.7	316.7	2.3	13.0	1.1	80.0
5.9	24.0	1986.7	800.0	18.0	-11.2	304.7	11.5	9.5	-6.5	310.4	316.7	2.0	12.5	1.4	86.0
6.8	26.3	2256.8	775.0	16.5	-7.7	314.1	12.3	6.9	-8.5	310.5	318.9	2.8	19.6	1.6	96.0
7.8	28.9	2533.1	750.0	15.7	-5.7	318.9	13.9	16.8	-8.7	310.4	320.4	3.3	27.2	1.9	103.0
8.7	31.4	2815.2	725.0	14.4	-8.7	300.6	14.5	14.2	-8.4	310.9	319.2	2.7	25.1	2.3	108.0
9.7	34.1	3107.2	700.0	13.6	-10.9	298.2	21.4	18.5	-8.6	312.0	319.3	2.4	23.8	2.4	109.0
10.7	36.6	3406.8	675.0	12.9	-12.1	293.3	25.7	24.6	-10.6	313.4	320.3	2.3	24.4	3.5	109.0
11.0	39.3	3715.6	650.0	11.6	-12.4	295.3	31.7	28.6	-13.6	314.0	320.7	2.0	61.4	4.6	110.0
13.1	41.9	4033.6	625.0	10.2	-12.5	298.1	34.1	29.7	-15.0	314.3	329.5	5.1	74.6	5.8	112.0
14.3	44.8	4361.3	600.0	-1.2	-7.8	299.4	34.1	29.7	-16.7	314.8	325.5	3.5	60.3	7.0	113.0
15.5	47.8	4696.3	575.0	-4.0	-12.1	298.1	34.5	28.2	-16.7	315.3	323.4	2.6	52.3	8.3	114.0
16.7	50.6	5048.4	550.0	-7.1	-13.7	296.1	33.6	28.7	-15.9	315.7	323.2	2.4	59.0	9.6	115.0
17.5	53.6	5409.6	525.0	-9.0	-16.9	295.6	31.6	28.5	-13.7	317.7	318.7	0.3	8.4	10.7	115.0
18.1	56.5	5786.1	500.0	-10.9	-17.3	290.8	29.9	27.9	-10.6	319.7	320.7	0.3	7.7	11.8	115.0
20.4	59.8	6177.8	475.0	-13.7	-16.6	288.2	30.0	28.5	-8.4	321.0	322.2	0.3	12.3	12.9	114.0
21.8	63.1	6586.2	450.0	-16.8	-19.7	288.3	32.0	30.4	-15.0	322.1	323.0	3.2	10.9	14.2	114.0
23.2	66.4	7014.1	425.0	-19.7	-43.5	287.3	32.2	30.8	-9.4	323.7	324.4	0.2	9.9	15.7	113.0
24.9	70.0	7464.4	400.0	-22.9	-45.2	285.9	31.2	30.0	-8.5	325.2	325.8	0.2	10.9	17.2	112.0
26.5	73.3	7930.3	375.0	-26.7	-48.8	287.9	33.1	31.5	-10.1	324.2	325.9	0.2	16.1	18.7	112.0
28.2	77.3	8423.8	350.0	-31.0	-48.0	290.2	35.9	33.7	-12.4	327.0	327.5	0.1	15.0	20.4	112.0
29.8	81.0	8944.1	325.0	-35.5	-48.9	291.9	39.6	36.8	-14.8	327.8	328.3	0.1	23.9	22.3	112.0
32.0	85.1	9495.8	300.0	-40.1	96.9	293.6	43.2	39.6	-17.3	328.9	99.9	94.9	99.9	24.9	112.0
34.0	89.4	10083.4	275.0	-45.2	96.9	292.9	46.7	43.1	-18.2	329.8	99.9	94.9	99.9	27.7	112.0
36.3	94.0	10713.0	250.0	-49.7	96.9	293.3	47.4	47.7	-18.5	332.1	99.9	94.9	99.9	31.0	112.0
38.6	98.8	11397.8	225.0	-53.2	96.9	296.4	41.4	37.2	-18.2	337.0	99.9	94.9	99.9	34.1	112.0
41.0	103.8	12151.5	200.0	-55.1	96.9	284.1	24.5	23.8	-6.0	345.6	99.9	94.9	99.9	37.4	112.0
43.8	109.3	13004.1	175.0	-57.0	96.9	284.5	25.1	25.1	0.2	355.6	99.9	94.9	99.9	41.4	110.0
47.2	115.3	13970.3	150.0	-60.7	96.9	272.4	19.6	19.6	-0.6	365.5	99.9	94.9	99.9	46.0	109.0
51.0	121.5	15107.8	125.0	-60.7	96.9	286.4	19.5	19.5	-3.9	385.1	99.9	94.9	99.9	49.9	100.0
55.6	126.5	16571.1	100.0	-59.7	96.9	273.0	12.4	12.4	-0.7	412.4	99.9	94.9	99.9	54.2	107.0
61.4	136.3	18253.5	75.0	-60.0	96.9	262.9	2.2	2.2	0.3	447.2	99.9	94.9	99.9	54.0	106.0
69.0	143.5	20847.2	50.0	-55.3	96.9	45.9	1.4	-1.0	-1.0	513.4	99.9	94.9	99.9	54.7	106.0
81.4	151.7	23357.7	25.0	-47.2	96.9	50.4	4.7	-4.4	-2.4	649.4	99.9	94.9	99.9	54.6	107.0

0 BY SPEED MEANS ELEVATION ANGLE 3°
 1 BY TEMP MEANS TEMPERATURE OR "1"
 2 BY SPEED MEANS ELEVATION ANGLE 55°
 3 BY TEMP MEANS TEMPERATURE OR "1"
 4 BY SPEED MEANS ELEVATION ANGLE 55°

STATION NO. 662
RAPID C. Y. SOUTH DAKOTA
10 JUNE 1976
2310 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y OG K	MX WTD GM/KG	PH PCT	RANGE KM	AZ DG
0.0	15.3	965.0	894.0	31.7	4.5	180.2	6.2	0.0	6.2	314.8	332.2	5.9	18.0	0.0	0.0
90.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	16.0	1158.8	875.0	32.4	2.7	187.0	3.5	0.4	3.5	317.5	333.4	5.3	15.3	0.3	356.0
1.3	16.1	1418.4	850.0	30.5	0.7	169.5	6.1	-1.1	6.0	318.1	332.4	4.7	14.7	0.6	357.0
3.2	20.3	1693.6	825.0	28.1	-1.0	169.7	7.3	-1.3	7.2	318.3	331.5	4.2	14.9	0.9	353.0
3.2	22.4	1954.5	800.0	25.3	-2.4	175.3	7.7	-0.6	7.6	318.1	330.3	4.0	15.9	1.4	353.0
4.2	24.7	2231.4	775.0	22.7	-4.0	181.3	7.7	0.2	7.7	318.2	329.5	3.7	16.4	1.9	354.0
5.3	26.8	2515.0	750.0	20.2	-4.8	186.4	7.9	0.9	7.8	318.5	329.5	3.6	16.1	2.4	357.0
6.6	29.3	2805.6	725.0	17.5	-6.1	194.3	8.5	2.8	8.0	319.0	329.1	3.4	19.4	2.9	360.0
7.6	31.7	3103.6	700.0	14.9	-8.0	196.4	7.6	2.1	7.2	319.0	328.3	3.0	19.7	3.4	2.0
8.9	34.2	3403.4	675.0	11.9	-8.9	201.9	6.8	2.5	6.4	319.0	328.0	2.9	22.4	4.0	4.0
10.4	36.6	3723.5	650.0	9.0	-9.7	209.7	6.1	4.0	7.0	319.1	327.9	2.9	25.6	4.5	7.0
11.7	39.2	4046.2	625.0	5.8	-10.2	216.7	8.5	5.1	8.1	319.2	327.9	2.8	30.3	5.2	11.0
13.2	41.8	4378.4	600.0	2.6	-10.2	222.5	7.3	4.9	5.4	319.1	328.3	2.9	38.3	5.8	14.0
15.1	44.6	4720.9	575.0	-0.9	-11.3	229.8	8.2	6.3	5.3	319.0	327.8	2.8	45.1	6.5	18.0
17.2	47.4	5076.1	550.0	-3.8	-16.7	232.0	10.9	7.3	8.1	319.6	325.7	1.9	35.9	7.6	22.0
19.0	50.2	5439.5	525.0	-6.6	-21.2	235.9	13.1	7.7	10.6	320.5	324.9	1.3	30.2	8.9	25.0
20.5	53.1	5818.1	500.0	-10.2	-21.1	236.6	13.6	8.8	10.3	320.6	325.2	1.4	40.4	10.0	26.0
21.8	56.0	6211.0	475.0	-13.5	-22.0	236.5	15.6	11.3	10.8	321.2	325.7	1.4	42.6	11.1	28.0
22.9	59.1	6619.7	450.0	-17.0	-27.0	236.8	15.7	11.4	10.8	321.9	325.1	0.9	41.6	12.1	30.0
24.1	62.5	7046.3	425.0	-19.9	-38.9	231.6	12.2	8.1	9.1	323.5	324.6	0.3	16.4	13.1	31.0
25.6	65.8	7493.3	400.0	-22.9	-42.3	235.2	12.7	9.0	8.7	325.2	326.0	0.2	14.9	14.1	31.0
28.1	69.3	7964.2	375.0	-25.4	-44.4	236.5	12.3	8.9	8.5	328.0	328.8	0.2	14.6	16.1	34.0
30.6	72.7	8461.1	350.0	-29.0	-47.2	238.6	12.2	10.4	6.4	329.6	330.2	0.1	15.2	17.7	35.0
32.5	76.7	8995.1	325.0	-32.3	-37.8	238.3	19.5	16.6	10.2	330.8	332.5	0.4	64.5	19.8	36.0
34.3	80.5	9544.6	300.0	-36.8	-42.5	235.3	24.1	19.8	13.7	333.5	334.6	0.3	54.3	21.3	40.0
36.2	85.0	10139.7	275.0	-42.2	99.9	236.7	23.0	19.3	12.6	334.1	99.9	99.9	99.9	24.3	41.0
38.4	89.2	10776.9	250.0	-47.4	99.9	232.5	26.4	20.9	16.1	335.6	99.9	99.9	99.9	27.4	43.0
40.8	94.9	11466.1	225.0	-52.1	99.9	231.1	24.4	21.8	11.0	338.7	99.9	99.9	99.9	30.8	45.0
43.4	99.2	12229.9	200.0	-56.6	99.9	231.3	27.7	26.2	8.9	343.1	99.9	99.9	99.9	34.7	48.0
46.0	104.8	13064.9	175.0	-58.0	99.9	239.0	27.2	23.3	14.0	354.2	99.9	99.9	99.9	38.8	49.0
49.2	110.8	14032.2	150.0	-60.3	99.9	238.0	27.7	23.5	14.7	366.2	99.9	99.9	99.9	44.1	50.0
52.8	117.7	15163.5	125.0	-61.9	99.9	235.3	13.0	12.6	3.3	383.0	99.9	99.9	99.9	48.4	52.0
57.3	125.5	16551.5	100.0	-60.7	99.9	227.8	14.5	10.4	10.4	410.6	99.9	99.9	99.9	52.8	52.0
63.0	134.7	18343.5	75.0	-60.7	99.9	227.5	3.5	2.6	2.4	445.7	99.9	99.9	99.9	51.1	53.0
70.5	143.3	20898.3	50.0	-58.6	99.9	306.1	1.2	1.0	-0.7	514.9	99.9	99.9	99.9	56.7	53.0
82.2	152.7	25408.1	25.0	-47.9	99.9	160.5	3.4	-1.2	3.3	647.3	99.9	99.9	99.9	54.7	52.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

STATION NO. 734
SAULT STE. MARIE, MICHIGAN10 JUNE 1976
2305 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPFED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.1	221.0	978.3	22.8	15.6	220.0	4.1	2.6	3.1	297.8	328.4	11.5	64.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.1	8.4	250.6	975.0	22.7	15.5	227.0	5.1	3.8	3.5	298.0	328.5	11.5	63.8	0.1	12.
0.8	10.6	476.7	953.0	21.1	14.5	234.1	7.1	5.7	4.2	298.5	329.0	11.0	66.0	0.4	38.
1.6	12.8	707.2	925.0	19.2	13.8	240.8	8.9	7.7	4.3	299.0	327.8	10.8	70.7	0.7	48.
2.5	15.2	943.7	900.0	19.9	11.5	244.2	10.9	9.8	4.7	302.1	328.0	9.5	58.3	1.3	55.
3.4	17.3	1186.4	875.0	18.6	10.3	249.0	8.8	8.2	3.2	303.1	328.0	9.0	59.4	1.8	58.
4.2	19.8	1434.7	853.0	16.4	9.2	256.0	8.1	7.9	1.5	303.4	327.2	8.7	62.4	2.2	61.
5.1	22.1	1689.5	825.0	14.8	8.4	269.3	9.1	9.1	0.1	304.2	327.6	8.4	65.6	2.6	65.
6.1	24.7	1949.1	800.0	13.7	7.3	273.6	12.8	12.8	-0.8	305.8	328.3	8.1	65.0	3.2	70.
7.1	27.0	2161.1	775.0	11.5	7.3	278.4	13.0	12.8	-1.9	306.2	329.4	8.3	75.4	3.9	75.
8.0	29.7	2490.0	750.0	9.9	5.5	283.6	15.2	14.7	-3.6	307.3	328.7	7.6	74.3	4.7	79.
9.1	32.4	2791.9	725.0	9.1	0.6	294.2	16.1	14.7	-6.5	309.5	325.5	5.5	55.0	5.6	84.
10.1	35.1	3062.0	700.0	7.6	-3.7	297.8	16.1	14.3	-7.5	310.9	323.4	4.2	44.8	6.5	90.
11.2	37.8	3360.8	675.0	5.8	-10.3	296.0	13.6	12.2	-6.0	312.1	323.0	2.6	30.2	7.3	93.
12.2	40.5	3668.4	650.0	3.4	-13.8	293.7	10.9	10.0	-4.4	312.9	319.2	2.0	26.8	8.0	95.
13.3	43.4	3985.2	625.0	1.2	-18.0	292.0	9.7	9.0	-3.6	313.9	318.6	1.5	22.2	8.7	96.
14.5	46.4	4312.5	600.0	-0.6	-21.8	290.7	8.3	7.8	-2.9	315.5	320.5	1.6	25.8	9.3	97.
15.7	49.5	4651.1	575.0	-3.1	-27.9	291.0	7.9	7.3	-2.8	316.3	320.8	1.4	26.0	9.9	98.
17.0	52.4	5001.7	550.0	-5.1	-29.3	308.5	9.1	7.1	-5.7	318.1	320.6	0.7	15.4	10.4	99.
18.2	55.6	5365.8	525.0	-7.2	-31.9	300.0	11.1	9.6	-5.5	319.7	321.5	0.5	12.0	11.1	101.
19.4	59.0	5743.8	500.0	-9.7	-39.3	291.6	9.1	8.5	-3.4	321.2	322.1	0.2	6.8	11.9	102.
20.7	62.4	6137.5	475.0	-12.9	-38.7	297.5	9.2	8.1	-4.2	322.0	323.0	0.3	9.4	12.5	103.
22.0	65.9	6547.4	450.0	-15.9	-43.5	302.6	8.8	7.5	-4.8	323.3	323.9	0.2	7.2	13.2	104.
23.6	69.6	6975.6	425.0	-19.2	-45.9	295.5	11.3	10.2	-4.9	324.4	325.0	0.1	7.3	14.0	105.
25.1	73.3	7424.3	400.0	-21.9	-46.8	298.9	15.3	14.5	-5.0	325.5	327.0	0.1	8.7	15.2	105.
26.7	77.3	7896.0	375.0	-25.2	-31.7	277.4	17.6	17.4	-2.3	324.3	330.8	0.7	54.9	16.7	105.
28.2	81.2	8395.5	350.0	-27.4	-30.0	253.6	20.5	10.6	5.8	331.9	335.0	0.9	77.7	18.5	103.
29.9	85.4	8824.5	325.0	-31.9	-34.8	249.7	22.2	20.8	7.7	332.7	334.9	0.6	75.2	20.2	100.
31.6	89.8	9485.0	300.0	-36.4	-40.6	248.5	23.4	23.6	9.3	334.1	335.5	0.4	64.5	22.3	97.
33.7	94.0	10081.8	275.0	-41.7	-49.9	243.1	23.7	21.1	10.7	334.9	999.9	99.9	99.9	25.9	92.
35.9	99.7	10722.2	250.0	-44.1	-49.9	254.0	24.5	23.5	6.7	337.5	999.9	99.9	99.9	27.9	90.
38.3	105.0	11413.7	225.0	-51.2	-49.9	257.4	24.5	23.9	5.3	340.0	999.9	99.9	99.9	31.2	89.
40.9	110.6	12169.5	200.0	-56.8	-49.9	250.3	25.4	23.9	8.6	342.9	999.9	99.9	99.9	34.9	87.
44.1	116.8	13005.1	175.0	-61.3	-49.9	258.6	23.5	23.1	4.7	348.7	999.9	99.9	99.9	39.5	86.
47.5	123.5	13971.7	150.0	-59.0	-49.9	274.2	21.7	21.6	-1.6	368.4	999.9	99.9	99.9	44.1	86.
52.1	130.8	15125.3	125.0	-56.7	-49.9	288.2	14.1	13.4	-4.4	392.4	999.9	99.9	99.9	49.6	88.
57.6	136.3	16559.8	100.0	-55.7	-49.9	300.2	11.6	10.0	-5.5	412.4	999.9	99.9	99.9	52.8	90.
65.0	145.3	18335.8	75.0	-58.3	-49.9	261.4	6.2	6.2	0.9	450.7	999.9	99.9	99.9	56.2	91.
74.4	155.0	20909.2	50.0	-54.7	-49.9	300.3	1.3	1.2	-0.7	514.5	999.9	99.9	99.9	58.2	92.
86.9	163.0	25425.6	25.0	-49.1	-49.9	281.8	5.0	4.9	-1.0	643.4	999.9	99.9	99.9	59.1	94.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
INTL. FALLS, MINNESOTA
10 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE AZ KM	DG
0.0	8.0	359.0	961.5	28.3	12.6	300.0	6.2	5.4	-3.1	304.9	331.4	9.6	38.0	0.0	0.
99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.4	8.8	465.8	950.0	27.6	12.2	285.7	9.1	8.7	-2.5	305.2	331.4	9.5	38.6	0.4	101.
1.2	10.6	701.3	925.0	25.7	11.6	289.1	12.2	11.5	-4.0	305.6	331.5	9.4	41.4	0.9	105.
2.1	12.8	941.7	900.0	23.6	11.4	292.8	11.1	10.3	-4.3	305.9	332.0	9.4	46.1	1.5	107.
2.8	14.8	1186.9	875.0	20.9	10.2	300.0	11.3	9.8	-5.6	305.5	333.4	9.0	50.5	2.0	110.
3.9	16.8	1436.5	850.0	18.1	8.4	299.2	11.2	9.9	-5.3	305.1	328.5	8.4	54.6	2.7	112.
5.0	18.9	1691.2	825.0	15.5	7.9	296.0	12.9	11.6	-5.7	305.0	327.7	8.2	60.4	3.4	113.
5.8	20.9	1951.8	800.0	13.1	7.4	299.4	12.5	11.0	-5.9	305.2	327.8	8.1	68.1	4.1	114.
6.9	23.2	2218.3	775.0	11.0	5.3	297.9	12.8	11.3	-6.0	305.6	325.0	7.2	68.0	4.9	115.
8.0	25.4	2491.2	750.0	8.5	3.0	292.9	15.0	13.8	-5.8	305.8	323.8	6.4	68.5	5.9	115.
9.0	27.6	2771.0	725.0	7.1	-4.2	290.6	16.3	15.2	-5.7	307.2	318.6	3.9	44.4	6.8	114.
9.8	30.0	3058.8	700.0	5.7	-7.5	291.7	17.0	15.8	-6.3	309.8	318.1	3.1	38.1	7.6	114.
10.8	32.4	3355.2	675.0	3.4	-10.7	297.2	16.8	14.9	-7.7	309.5	317.1	2.5	34.5	8.6	114.
11.7	35.1	3600.1	650.0	1.1	-12.7	300.1	18.7	16.2	-9.4	310.2	317.9	2.2	34.9	9.6	114.
12.8	37.3	3974.4	625.0	-1.1	-13.4	293.4	21.3	19.5	-8.5	311.2	317.9	2.2	38.6	10.9	115.
13.9	40.0	4298.6	600.0	-2.9	-15.8	284.6	23.3	22.6	-5.9	312.7	318.5	1.9	36.2	12.4	114.
15.1	42.5	4635.1	575.0	-4.6	-17.5	279.7	24.4	24.0	-4.1	314.6	319.9	1.7	35.5	14.0	113.
16.4	45.3	4983.5	550.0	-7.1	-20.9	284.0	26.2	25.4	-6.3	315.7	319.9	1.3	32.1	16.0	111.
17.7	48.2	5344.6	525.0	-9.4	-26.4	287.1	29.8	28.5	-8.7	317.2	320.0	0.8	23.4	18.2	111.
19.1	50.5	5719.9	500.0	-11.7	-34.8	286.5	27.7	26.5	-7.8	318.8	320.1	0.4	12.7	20.6	110.
20.4	54.0	6110.5	475.0	-14.6	-36.6	286.5	28.9	27.7	-8.2	319.9	321.1	0.3	13.3	22.8	110.
21.7	57.0	6518.1	450.0	-17.1	-38.1	286.0	28.9	27.7	-7.9	321.8	322.9	0.3	14.1	25.0	109.
23.2	60.3	6944.1	425.0	-20.4	-38.7	283.4	33.3	32.3	-7.7	322.9	324.0	0.3	17.6	27.7	109.
24.7	63.7	7389.4	400.0	-24.4	-41.3	280.8	31.1	30.6	-5.8	323.3	324.3	0.3	19.0	30.5	108.
26.2	67.0	7856.4	375.0	-27.8	-45.2	278.7	33.9	33.5	-5.1	324.8	325.5	0.2	17.0	33.8	107.
27.9	70.7	8348.8	350.0	-31.5	-48.4	280.9	31.2	30.7	-5.9	326.3	324.9	0.1	16.8	36.8	107.
29.6	74.7	8868.0	325.0	-35.9	-51.5	287.4	35.0	33.4	-10.4	327.2	327.6	0.1	18.1	40.7	107.
31.4	78.8	9420.6	300.0	-39.5	-54.4	284.9	36.1	34.9	-9.3	329.7	330.0	0.1	18.4	44.1	107.
33.3	83.0	10008.5	275.0	-45.2	-59.9	286.4	33.1	31.8	-5.3	329.7	329.9	99.9	999.9	48.2	106.
35.4	87.5	10638.2	250.0	-49.9	-64.9	290.6	30.9	29.9	-10.9	331.9	329.9	99.9	999.9	52.1	107.
37.7	92.8	11325.3	225.0	-51.7	-69.9	292.5	28.5	26.3	-10.9	333.3	329.9	99.9	999.9	57.1	107.
40.0	98.0	12092.7	200.0	-55.3	-75.8	295.8	25.1	25.0	-2.5	335.2	329.9	99.9	999.9	61.0	107.
42.9	104.0	12935.8	175.0	-55.2	-79.9	287.2	22.8	22.2	-5.2	338.9	329.9	99.9	999.9	65.3	106.
46.0	110.6	13915.8	150.0	-55.8	-84.9	275.1	22.1	22.0	-2.0	373.9	329.9	99.9	999.9	69.1	106.
49.9	118.0	15067.5	125.0	-57.0	-89.9	275.2	15.3	15.3	-1.4	391.8	329.9	99.9	999.9	73.9	105.
54.7	126.3	16455.5	100.0	-56.3	-94.9	275.1	18.2	18.1	-1.6	418.9	329.9	99.9	999.9	78.8	104.
60.5	136.0	18298.3	75.0	-58.9	-99.9	252.8	8.6	8.3	2.6	449.4	329.9	99.9	999.9	81.7	104.
68.7	145.7	20881.6	50.0	-54.6	-99.9	291.3	1.6	1.4	-0.6	514.9	329.9	99.9	999.9	82.2	104.
81.0	155.5	25409.1	25.0	-45.3	-99.9	69.7	9.5	-8.0	-3.0	654.7	329.9	99.9	999.9	81.1	105.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 764
BISMARCK, NORTH DAKOTA
10 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	10.4	503.0	944.8	34.4	7.5	190.7	3.6	0.6	3.5	312.6	332.6	6.9	19.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	12.0	693.3	925.0	31.1	7.5	999.0	99.9	99.9	99.9	311.5	331.3	7.1	23.0	999.9	99.9
1.3	14.2	937.7	900.0	29.1	6.7	999.2	99.9	99.9	99.9	311.5	331.2	6.9	24.4	999.9	99.9
2.0	16.2	1157.1	875.0	26.6	6.4	999.3	99.9	99.9	99.9	311.4	331.3	6.9	27.6	999.9	99.9
3.0	18.5	1441.8	850.0	24.2	5.4	125.9	5.1	-4.1	3.0	311.5	330.7	6.5	29.7	0.8	278.0
3.8	20.6	1701.0	825.0	21.9	4.3	143.4	4.9	-2.9	2.9	311.7	330.2	6.4	31.7	1.0	287.0
4.6	22.9	1967.5	800.0	19.4	3.7	148.1	4.8	-2.5	4.0	311.8	330.0	6.3	35.5	1.2	294.0
5.6	25.3	2239.5	775.0	16.8	3.4	149.5	5.4	-2.7	4.6	311.9	330.2	6.3	40.6	1.5	301.0
6.5	27.5	2517.9	750.0	14.3	3.0	134.1	5.3	-3.8	3.7	312.1	330.1	6.2	45.4	1.7	304.0
7.5	30.1	2802.7	725.0	11.1	1.3	126.8	6.0	-4.8	3.6	311.7	329.7	5.8	50.8	2.1	305.0
9.0	32.6	3094.7	700.0	8.7	-0.0	160.9	5.4	-1.8	5.1	312.1	328.1	5.5	54.3	2.6	307.0
10.7	35.2	3394.8	675.0	7.3	-5.8	224.3	6.2	4.3	4.4	313.4	325.0	3.7	39.2	2.9	317.0
12.1	37.7	3705.2	650.0	6.4	-10.5	250.0	9.4	8.6	3.2	316.2	324.4	2.7	26.8	2.8	330.0
13.4	40.4	4025.3	625.0	3.5	-11.2	248.6	11.6	10.6	4.2	316.5	324.6	2.6	33.0	2.7	347.0
14.5	43.0	4354.6	600.0	0.5	-11.8	248.1	12.5	11.6	4.7	316.7	324.7	2.6	39.0	3.0	3.0
15.7	45.9	4694.1	575.0	-3.0	-13.8	254.0	12.2	11.7	3.4	316.5	323.7	2.3	43.1	3.4	16.0
16.9	48.9	5044.4	550.0	-5.8	-18.5	266.2	12.2	12.1	0.8	317.2	323.4	1.6	35.7	3.9	29.0
18.3	51.7	5406.9	525.0	-8.9	-19.1	267.8	12.9	12.9	0.5	317.7	322.9	1.6	43.4	4.5	40.0
19.6	54.9	5782.6	500.0	-12.1	-22.8	262.5	14.6	14.4	2.4	318.3	322.3	1.2	40.6	5.4	48.0
21.0	57.8	6173.6	475.0	-14.0	-33.3	262.3	14.8	14.6	2.0	322.7	322.3	0.5	17.5	6.4	54.0
22.5	61.1	6581.6	450.0	-16.9	-34.3	258.7	14.3	14.0	2.8	322.0	323.6	0.5	20.2	7.5	58.0
24.0	64.5	7008.2	425.0	-19.9	-37.6	248.1	15.7	14.5	5.9	323.5	324.8	0.3	16.8	8.9	61.0
25.7	67.9	7455.3	400.0	-23.1	-41.2	244.7	15.7	14.1	6.7	325.0	326.0	0.3	17.0	10.5	61.0
27.6	71.3	7924.5	375.0	-26.8	-43.9	251.6	17.1	16.2	5.4	326.2	325.9	0.2	17.8	12.3	62.0
29.7	75.1	8416.5	350.0	-30.8	-46.7	253.5	19.6	18.6	5.6	327.3	327.9	0.2	19.1	14.5	64.0
31.8	79.2	8940.0	325.0	-35.2	-48.4	255.8	17.9	17.3	4.4	328.1	327.7	0.1	24.2	16.9	65.0
34.1	83.0	9492.7	300.0	-39.4	-51.8	262.9	21.1	20.9	2.7	329.8	331.2	0.1	25.2	19.7	67.0
36.5	87.2	10082.7	275.0	-44.2	-59.9	257.9	24.4	23.9	5.1	331.1	999.9	99.9	99.9	22.8	69.0
38.9	92.0	10713.4	250.0	-49.5	-69.3	253.7	22.6	21.7	4.7	332.5	999.9	99.9	99.9	26.2	70.0
41.4	96.8	11396.9	225.0	-53.9	-79.9	248.4	21.6	21.2	4.3	335.9	999.9	99.9	99.9	29.6	71.0
44.3	101.6	12146.8	200.0	-57.4	-89.9	254.0	24.7	23.8	6.8	341.9	999.9	99.9	99.9	33.5	71.0
47.7	107.6	12903.8	175.0	-56.3	-99.9	257.9	27.0	26.4	5.7	357.1	999.9	99.9	99.9	38.7	72.0
51.4	113.7	13688.5	150.0	-58.4	-99.9	258.6	24.1	23.6	4.9	369.4	999.9	99.9	99.9	44.6	72.0
55.8	120.3	15109.7	125.0	-58.6	-99.9	255.4	19.2	17.9	3.3	384.5	999.9	99.9	99.9	49.6	73.0
60.9	127.7	16515.4	100.0	-57.2	-99.9	266.6	8.6	8.6	0.5	417.3	999.9	99.9	99.9	53.9	74.0
67.3	136.0	18325.5	75.0	-58.3	-99.9	231.5	7.2	5.8	4.3	450.8	999.9	99.9	99.9	55.3	74.0
74.1	144.3	20899.3	50.0	-53.4	-99.9	1.8	2.7	-0.1	-2.7	517.6	999.9	99.9	99.9	57.8	74.0
90.0	153.5	25424.2	25.0	-46.3	-99.9	999.9	99.9	99.9	99.9	651.6	999.9	99.9	99.9	999.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 768
GLASGOW, MONTANA

10 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	13.2	696.0	921.7	30.0	12.9	120.0	9.3	-8.1	4.6	310.3	330.0	10.2	35.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	952.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	15.2	906.0	900.0	27.8	7.5	131.1	17.9	-13.5	11.7	310.2	330.9	7.2	27.6	0.6	322.
1.9	17.4	1156.5	875.0	25.7	6.7	122.5	12.6	-10.6	6.8	310.5	330.8	7.1	29.8	1.5	305.
2.6	19.9	1410.2	850.0	23.1	6.3	137.7	12.5	-8.4	9.2	310.4	330.6	7.1	33.7	2.0	377.
3.2	22.1	1669.3	825.0	20.6	5.9	148.2	10.3	-5.4	8.7	310.4	330.7	7.1	38.1	2.4	310.
4.1	24.7	1934.3	805.0	18.2	5.5	156.0	11.9	-4.8	10.6	310.5	331.0	7.1	43.4	2.9	314.
4.8	27.0	2205.0	775.0	15.4	4.7	159.3	13.9	-4.9	13.0	310.4	330.3	6.9	48.7	3.5	316.
5.9	29.7	2482.0	750.0	12.6	2.7	162.4	13.1	-4.0	12.5	310.3	329.3	6.2	50.9	4.3	323.
7.0	32.3	2766.0	725.0	11.4	-7.7	174.2	11.0	-1.1	10.9	312.2	321.2	3.0	25.1	5.0	327.
8.2	35.1	3058.1	700.0	9.8	-9.5	185.4	8.2	0.8	8.1	313.4	321.5	2.7	24.4	5.6	331.
9.4	37.7	3358.5	675.0	6.9	-11.2	194.1	7.4	1.8	7.2	313.4	320.8	2.4	26.0	6.0	334.
10.5	40.4	3667.3	650.0	4.3	-12.4	202.7	6.7	2.6	6.2	313.9	320.9	2.3	28.4	6.4	337.
11.0	43.1	3984.8	625.0	1.6	-13.1	208.1	6.3	3.0	5.6	314.3	321.2	2.2	32.3	6.7	340.
12.9	46.2	4312.2	600.0	-1.2	-14.4	228.5	7.1	5.4	4.7	314.7	321.3	2.1	36.0	6.9	343.
14.0	49.2	4645.8	575.0	-4.3	-13.6	237.9	8.4	7.0	4.7	315.0	322.2	2.3	48.1	7.2	347.
15.4	52.1	4998.4	550.0	-7.2	-14.3	238.5	9.7	8.3	5.1	315.6	322.7	2.3	56.7	7.4	352.
16.8	55.3	5359.4	525.0	-10.0	-15.0	236.4	12.4	10.3	6.4	316.4	321.6	1.6	47.8	7.8	359.
18.0	58.5	5733.3	500.0	-13.2	-26.5	231.3	15.1	11.8	9.5	317.0	319.8	0.9	31.5	8.5	4.
19.6	62.0	6122.5	475.0	-14.8	-36.0	223.1	17.7	12.1	13.0	318.5	320.9	0.4	14.4	9.7	11.
21.3	65.4	6529.9	450.0	-17.9	-36.4	221.3	16.6	11.0	12.5	323.8	322.1	0.4	17.9	11.0	15.
22.7	68.9	6954.1	425.0	-21.7	-33.7	222.7	15.2	10.3	11.2	321.2	323.9	0.5	32.6	12.5	18.
24.5	72.5	7397.9	400.0	-25.0	-32.8	231.2	13.9	10.8	8.7	322.5	324.6	0.6	47.8	13.8	21.
26.2	76.3	7863.7	375.0	-28.7	-34.9	242.8	18.1	15.1	8.3	323.5	325.5	0.5	54.6	15.1	25.
27.9	80.4	8353.8	350.0	-32.8	-38.4	248.6	23.0	20.4	5.8	324.6	328.0	0.4	56.4	16.8	30.
29.7	84.5	8971.1	325.0	-36.7	-45.3	237.8	23.6	20.0	12.6	325.0	329.8	0.2	40.2	19.0	33.
31.9	88.8	9420.2	300.0	-41.1	99.9	237.0	27.2	21.7	16.4	327.4	999.9	99.9	999.9	22.0	37.
34.1	93.5	10005.8	275.0	-45.6	99.9	229.5	29.7	22.3	19.2	329.2	999.9	99.9	999.9	25.6	39.
36.6	98.4	10634.0	250.0	-50.6	99.9	226.3	28.7	20.8	16.9	330.9	999.9	99.9	999.9	30.2	40.
39.5	103.4	11314.6	225.0	-55.1	99.9	234.4	30.2	24.5	17.6	334.0	999.9	99.9	999.9	35.2	41.
42.7	109.3	12060.4	200.0	-57.8	99.9	237.4	33.2	18.0	14.8	341.3	999.9	99.9	999.9	40.1	44.
45.9	115.2	12906.7	175.0	-56.4	99.9	237.7	19.0	15.1	11.5	354.5	999.9	99.9	999.9	44.0	45.
49.7	122.0	13884.2	150.0	-57.7	99.9	237.4	24.1	22.3	9.3	370.6	999.9	99.9	999.9	49.3	46.
54.0	129.3	15044.3	125.0	-54.2	99.9	237.2	18.4	15.4	10.0	398.9	999.9	99.9	999.9	54.7	47.
59.6	137.3	16476.2	100.0	-54.8	99.9	265.0	9.1	9.1	0.9	421.9	999.9	99.9	999.9	59.8	48.
66.5	146.0	18301.2	75.0	-56.4	99.9	202.9	1.0	0.4	0.9	454.7	999.9	99.9	999.9	59.8	48.
75.6	155.3	20889.3	50.0	-53.6	99.9	170.0	2.9	-0.5	2.9	517.3	999.9	99.9	999.9	60.5	47.
89.6	165.3	25433.9	25.0	-46.0	99.9	93.5	7.0	-7.0	0.4	652.8	999.9	99.9	999.9	58.8	45.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 11001
 MARSHALL SFC. ALABAMA

 11 JUNE 1976
 0 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DTP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RYO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	4.3	180.0	993.0	28.9	13.9	170.3	1.0	-0.2	1.0	302.7	330.3	10.2	40.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	6.1	341.9	975.0	26.7	12.5	132.0	1.8	-1.4	1.2	302.0	327.6	9.4	41.4	0.1	290.
1.8	8.4	570.9	950.0	25.1	11.6	125.8	1.8	-1.5	1.1	302.7	327.8	9.2	43.3	0.2	299.
2.9	10.7	804.5	925.0	23.3	10.4	144.4	1.3	-0.8	1.1	303.2	329.4	9.6	49.0	0.3	333.
3.9	13.2	1042.7	900.0	20.7	11.1	170.3	1.0	-0.2	1.0	302.6	328.2	9.3	54.0	0.4	310.
5.0	15.6	1285.5	875.0	18.2	10.0	253.3	1.0	1.0	0.3	302.7	327.1	8.9	58.8	0.4	310.
6.1	15.1	1533.2	850.0	15.9	8.9	281.3	1.2	1.2	-0.2	302.8	326.1	8.5	63.5	0.3	329.
7.2	20.6	1786.4	825.0	13.7	8.8	318.1	1.7	1.1	-1.3	303.1	326.9	8.7	72.3	0.2	338.
8.3	23.2	2045.2	800.0	11.2	8.6	330.2	1.5	0.7	-1.3	303.1	327.4	8.8	83.7	0.1	348.
9.4	25.7	2310.1	775.0	9.7	5.5	326.7	0.4	0.2	-0.4	104.3	324.8	7.4	75.3	0.1	1.
10.5	28.4	2561.9	750.0	8.1	0.8	356.2	0.2	0.0	-0.2	305.3	320.8	5.4	60.1	0.1	4.
11.6	31.2	2861.1	725.0	6.3	-0.1	15.6	0.2	-0.1	-0.2	305.3	321.4	5.3	63.9	0.1	2.
12.7	33.9	3140.0	700.0	3.9	-0.1	25.5	0.1	-0.0	-0.1	306.9	322.4	5.4	75.2	0.0	359.
13.9	36.8	3443.1	675.0	2.1	-2.5	105.2	0.1	-0.1	0.0	308.0	321.7	4.7	71.5	0.1	356.
15.0	39.5	3746.9	650.0	0.5	-10.4	89.7	0.2	-0.2	-0.0	309.6	317.4	2.6	42.4	0.1	340.
16.3	42.6	4062.7	625.0	1.2	-18.6	261.4	0.3	0.3	0.0	313.9	318.3	1.4	21.1	0.1	330.
17.7	45.8	4389.4	600.0	-1.4	-21.2	300.3	1.1	0.9	0.0	314.5	319.3	1.2	20.4	0.1	52.
18.9	48.8	4726.8	575.0	-4.0	-24.4	268.3	2.1	2.1	0.1	315.3	316.3	0.9	18.6	0.1	86.
20.4	52.0	5075.8	550.0	-6.4	-26.1	247.9	4.9	4.9	0.6	316.4	319.2	0.8	19.1	0.5	84.
21.8	55.1	5437.5	525.0	-9.2	-27.0	267.1	5.0	5.0	0.3	317.4	323.0	0.8	22.0	0.9	84.
23.4	58.6	5813.4	500.0	-10.7	-28.2	284.6	3.7	3.5	-0.9	320.0	322.5	0.7	22.1	1.3	87.
25.0	62.3	6204.3	475.0	-12.7	-30.4	278.8	8.0	7.9	-1.2	322.3	324.5	0.6	20.9	1.8	92.
26.5	65.7	6615.4	450.0	-15.8	-32.5	275.7	6.6	6.6	-0.7	323.4	325.3	0.5	22.3	2.5	93.
28.2	69.3	7044.3	425.0	-19.2	-35.1	273.8	9.5	9.5	-0.6	324.4	326.0	0.4	22.6	3.3	94.
30.2	73.2	7492.3	400.0	-22.9	-38.0	241.4	8.7	8.5	-1.7	325.3	326.4	0.3	21.5	4.3	94.
31.9	77.3	7962.0	375.0	-26.8	-42.1	282.3	8.8	8.6	-1.9	326.1	327.0	0.2	21.8	5.3	96.
33.7	81.3	8455.9	350.0	-30.5	-45.2	283.4	7.9	7.7	-1.8	327.6	328.4	0.2	22.0	6.2	97.
35.7	85.6	8978.5	325.0	-34.4	-48.5	288.2	6.3	6.3	-2.6	329.1	329.8	0.1	22.2	7.1	98.
38.0	90.3	9532.6	300.0	-39.4	-51.9	291.0	9.2	8.5	-3.3	329.9	329.9	99.9	99.9	8.3	99.
40.2	95.0	10122.6	275.0	-43.7	-55.9	292.5	8.3	8.1	-1.8	331.9	329.9	99.9	99.9	9.5	101.
42.5	100.0	10755.9	250.0	-48.3	-59.9	293.1	10.2	9.9	-2.3	334.2	329.9	99.9	99.9	10.8	101.
45.1	105.3	11443.1	225.0	-52.8	-63.9	284.7	11.4	11.0	-2.9	337.7	329.9	99.9	99.9	12.4	101.
47.9	111.3	12196.0	200.0	-57.0	-67.9	276.4	12.2	12.2	-0.1	342.5	329.9	99.9	99.9	14.5	101.
50.7	117.7	13040.6	175.0	-60.4	-71.9	271.1	11.7	11.7	-0.2	351.7	329.9	99.9	99.9	16.4	99.
53.7	124.7	14004.3	150.0	-62.3	-75.9	277.9	9.9	9.8	-1.4	356.0	329.9	99.9	99.9	18.4	99.
57.7	132.3	15131.1	125.0	-64.3	-79.9	276.6	9.6	9.6	-0.4	362.2	329.9	99.9	99.9	20.6	99.
61.6	139.7	16501.6	100.0	-64.3	-84.3	274.8	5.6	5.6	-0.4	403.4	329.9	99.9	99.9	22.4	98.
67.1	147.7	18257.8	75.0	-62.8	-89.9	274.8	3.1	1.3	-2.8	441.3	329.9	99.9	99.9	23.9	99.
75.0	156.7	20785.3	50.0	-56.5	-99.9	282.3	2.8	2.7	-0.6	510.5	329.9	99.9	99.9	24.5	101.
87.6	165.7	25254.8	25.0	-48.6	-99.9	28.2	4.0	-0.2	-4.0	645.2	329.9	99.9	99.9	25.8	110.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 77001
UNIV. OF TENNESSEE

10 JUNE 1976
2315 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MAX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.4	300.0	578.5	27.2	16.5	0.3	0.0	0.0	0.0	302.2	335.0	12.2	52.0	0.0	7.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	7.7	331.7	975.0	27.4	99.9	283.0	0.9	0.9	-0.2	302.7	999.9	99.9	99.9	0.0	29.
1.0	9.8	561.3	950.0	26.1	18.6	299.7	1.3	1.1	-0.5	303.7	342.3	14.3	67.2	0.1	84.
1.9	11.8	766.8	925.0	25.0	17.6	255.5	1.1	1.0	-0.5	304.9	342.6	13.9	63.7	0.1	135.
2.9	14.1	1036.9	920.0	22.7	15.9	301.1	0.6	0.5	-0.3	304.9	337.7	12.8	65.9	0.2	135.
3.7	16.1	1291.5	875.0	19.2	13.4	311.3	1.4	1.1	-0.9	303.7	334.1	11.1	69.3	0.2	113.
4.8	18.4	1530.4	850.0	16.9	12.2	335.3	1.1	0.5	-1.0	303.7	332.7	10.6	74.5	0.3	116.
5.9	23.6	1784.4	825.0	14.3	9.9	47.0	0.4	-0.3	-0.3	303.7	329.2	9.3	74.3	0.3	126.
7.1	22.9	2043.8	800.0	12.3	7.6	92.3	0.4	-0.4	0.0	304.2	327.0	8.2	73.0	0.3	131.
8.2	25.3	2309.7	775.0	10.4	6.4	204.6	1.3	0.5	1.1	305.0	327.1	7.9	77.1	0.3	124.
9.1	27.6	2582.3	750.0	8.3	5.0	184.8	1.9	0.3	1.9	305.6	326.2	7.3	80.1	0.3	125.
9.9	30.1	2861.9	725.0	6.6	2.7	194.3	2.2	0.5	2.1	306.7	324.9	6.4	76.1	0.3	51.
10.9	32.7	3149.1	700.0	3.9	0.4	200.0	2.0	0.7	1.8	306.8	323.0	5.7	78.3	0.4	66.
11.9	35.3	3444.3	675.0	2.3	-2.2	171.6	1.8	-0.3	1.8	308.2	322.4	4.8	72.0	0.4	53.
12.9	37.8	3748.3	650.0	0.2	-5.9	118.7	1.9	-1.7	0.9	309.2	320.4	3.8	63.9	0.5	38.
14.4	40.5	4053.2	625.0	0.3	-0.5	15.1	3.1	-0.9	-2.9	312.8	321.0	3.0	47.9	0.3	28.
15.0	43.2	4390.2	600.0	-0.9*	-12.3	357.2	3.9	0.2	-3.9	315.1	322.8	2.9	41.5	0.1	128.
17.3	46.1	4729.5	575.0	-3.4	-14.5	330.0	5.2	2.6	-4.5	315.0	322.8	2.2	41.8	0.5	149.
18.6	49.1	5078.6	550.0	-5.7	-14.3	233.2	5.2	2.4	-4.7	317.3	323.5	1.9	42.9	0.9	152.
20.0	52.1	5441.5	525.0	-8.4	-17.5	345.8	5.1	1.2	-4.9	319.3	324.2	1.6	47.8	1.3	152.
21.3	55.2	5817.9	500.0	-11.3	-20.4	12.7	3.8	-0.8	-3.7	319.2	324.1	1.5	47.0	1.7	159.
23.0	59.4	6211.0	475.0	-12.3	-22.7	11.6	7.4	-1.5	-7.3	322.8	327.1	1.3	41.4	2.1	167.
24.6	61.8	6622.1	450.0	-15.5	-24.9	4.9	9.0	-0.6	-8.0	323.8	327.5	1.1	44.1	2.9	173.
26.3	65.3	7051.0	425.0	-18.9	-28.3	6.3	10.9	-1.2	-10.8	324.7	327.7	0.9	43.1	3.7	175.
27.9	69.9	7499.5	400.0	-22.4	-31.5	13.7	11.4	-3.7	-11.1	325.9	329.2	0.7	42.6	4.9	175.
29.6	72.5	7970.5	375.0	-25.9	-34.9	2.9	11.4	-0.6	-11.4	327.4	329.2	0.6	42.1	6.0	181.
31.5	76.5	8466.1	350.0	-30.0	-38.6	4.9	10.5	-0.9	-10.5	328.3	329.7	0.4	42.4	7.2	191.
33.6	80.7	8989.7	325.0	-33.9	-42.1	14.6	9.0	-2.3	-8.7	329.9	331.0	0.3	43.0	8.5	193.
35.6	85.0	9545.2	300.0	-38.5	-46.2	10.4	11.3	-2.1	-11.1	331.1	331.9	0.2	43.3	9.6	184.
37.9	89.6	10137.2	275.0	-43.5	-50.9	17.2	11.7	-3.5	-11.2	332.2	999.9	99.9	999.9	11.2	195.
40.1	94.6	10772.2	250.0	-47.3	-54.9	10.4	12.0	-2.2	-11.8	335.8	999.9	99.9	999.9	12.8	186.
42.4	100.0	11462.6	225.0	-51.8	-58.9	5.5	12.4	-1.4	-12.3	339.2	999.9	99.9	999.9	14.4	196.
45.1	105.9	12184.5	200.0	-56.7	-62.7	9.2	17.6	-2.8	-17.4	342.9	999.9	99.9	999.9	16.8	187.
47.8	112.0	13062.9	175.0	-57.4	-64.9	7.2	18.9	-2.1	-16.7	350.2	999.9	99.9	999.9	19.7	187.
50.8	118.8	14036.2	150.0	-59.0	-69.9	340.4	10.1	1.8	-9.9	359.4	999.9	99.9	999.9	22.0	186.
54.4	126.7	15168.1	125.0	-62.3	-74.9	5.7	9.1	-1.0	-9.7	382.2	999.9	99.9	999.9	24.3	186.
58.7	135.3	16551.7	100.0	-61.7	-69.9	15.0	9.3	-2.4	-9.0	405.5	999.9	99.9	999.9	27.0	185.
64.0	144.0	18319.0	75.0	-62.5	-69.9	42.3	3.0	-2.0	-2.2	441.8	999.9	99.9	999.9	29.0	190.
71.0	157.7	22858.8	50.0	-56.9	-59.9	70.8	1.3	-1.3	-0.2	505.5	999.9	99.9	999.9	29.4	189.
82.0	164.0	25327.9	25.0	-47.4	-47.4	100.8	10.6	-10.4	2.0	649.3	999.9	99.9	999.9	31.4	190.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPOD MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

11 June 1976

1200 GMT

PRECEDING PAGE BLANK NOT FILMED

STATION NO. 349
MONEYS, MISSOURI

11 JUNE 1976
1110 GMT

TIME MIN	CNTCT	HEIGHT CM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX PTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.0	438.0	962.1	17.7	15.3	190.0	2.6	0.5	2.6	294.1	324.0	11.5	86.0	0.0	0.
00.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.3	10.1	540.9	950.0	19.4	15.0	999.9	99.9	99.9	99.9	296.9	327.0	11.4	75.5	999.9	999.9
1.2	12.2	777.7	925.0	20.7	12.5	999.9	99.9	99.9	99.9	300.4	327.2	9.9	59.5	999.9	999.9
2.0	14.6	1014.1	900.0	14.9	11.6	229.1	10.5	8.0	6.9	301.0	327.0	9.6	62.4	1.5	42.
2.9	16.8	1255.7	875.0	17.1	11.5	249.1	7.1	6.7	2.5	301.6	328.3	9.8	69.8	1.9	43.
3.9	19.2	1503.1	850.0	16.0	9.0	265.2	4.8	4.8	0.4	302.9	326.4	8.5	63.1	2.2	50.
4.7	21.5	1757.8	825.0	17.9	-9.3	356.7	0.9	0.1	-0.9	307.5	314.5	2.3	14.7	2.3	52.
5.7	24.1	2020.1	800.0	17.1	-7.5	45.9	0.9	-0.7	-0.6	309.4	317.6	2.7	17.9	2.2	53.
6.8	26.4	2289.6	775.0	14.8	-4.3	17.6	0.9	-0.3	-0.8	309.7	320.4	3.6	26.5	2.2	53.
7.4	29.1	2565.7	750.0	12.1	3.2	66.9	0.6	-0.6	-0.0	309.7	328.2	6.4	54.4	2.2	53.
8.4	31.8	2846.1	725.0	9.9	3.6	297.7	0.7	0.6	-0.3	310.3	332.0	6.9	64.6	2.2	53.
9.5	34.6	3140.0	700.0	7.1	4.5	304.2	0.9	0.7	-0.5	310.4	332.1	7.6	83.8	2.2	54.
10.4	37.1	3438.8	675.0	5.0	4.9	340.4	2.0	0.7	-1.8	311.2	334.4	8.1	99.6	2.2	56.
11.6	40.0	3746.7	650.0	3.0	2.0	337.9	4.0	1.5	-3.7	312.4	332.2	6.9	93.3	2.1	61.
12.6	42.8	4064.3	625.0	1.3	-0.3	326.7	5.3	2.9	-4.4	314.0	331.7	6.0	89.1	2.2	71.
14.0	45.6	4392.9	600.0	0.0	-3.9	330.2	5.1	2.6	-4.5	315.1	330.5	4.8	74.7	2.3	80.
15.3	48.8	4732.2	575.0	-3.5	-6.3	325.9	6.7	3.8	-5.6	315.9	328.4	4.1	80.5	2.4	89.
16.6	51.6	5082.4	550.0	-5.7	-9.5	320.6	9.2	5.9	-7.1	317.3	327.8	3.4	74.8	2.9	99.
18.0	55.0	5446.1	525.0	-7.8	-11.0	313.1	10.2	7.5	-7.0	319.0	329.8	3.1	77.6	3.6	108.
19.3	58.1	5824.3	500.0	-9.8	-14.0	319.9	11.7	7.5	-8.9	321.1	324.8	1.1	30.8	4.3	112.
20.6	61.6	6218.5	475.0	-12.7	-25.5	320.8	15.0	9.5	-11.6	322.3	325.8	1.0	34.2	5.4	119.
22.3	65.2	6630.9	450.0	-13.3	-23.1	312.2	13.1	9.7	-8.8	326.5	330.9	1.3	43.2	6.8	123.
23.8	68.7	7064.7	425.0	-14.9	-27.7	318.6	7.9	5.2	-5.9	329.8	333.0	0.9	32.6	7.7	124.
25.5	72.4	7520.4	400.0	-18.3	-29.1	306.5	7.3	5.9	-4.4	331.3	334.3	0.9	37.9	8.3	125.
26.9	76.5	7998.9	375.0	-21.4	-37.9	353.8	14.9	12.4	-8.3	333.2	334.7	0.4	21.8	9.1	125.
28.7	80.6	8504.6	350.0	-25.1	-44.7	309.3	16.6	12.9	-10.6	334.9	335.7	0.2	14.1	11.0	125.
30.1	84.8	9037.9	325.0	-29.9	-49.9	313.2	22.1	16.1	-15.1	335.5	336.0	0.1	12.1	12.6	126.
32.2	89.2	9602.8	300.0	-34.8	-53.6	313.2	29.9	21.9	-20.4	336.3	336.6	0.1	12.7	15.8	127.
34.5	94.0	10204.3	275.0	-39.6	-54.5	211.1	35.6	26.8	-23.4	337.9	338.2	0.1	18.5	20.3	128.
37.0	99.0	10848.9	250.0	-45.1	-59.9	310.6	35.4	26.9	-23.0	339.1	999.9	99.9	999.9	25.7	129.
39.3	104.3	11545.0	225.0	-50.0	-64.9	316.8	26.9	18.4	-19.6	341.9	999.9	99.9	999.9	37.1	130.
42.1	110.2	12306.2	200.0	-54.9	-69.9	309.8	32.8	25.2	-21.0	345.9	999.9	99.9	999.9	34.8	130.
45.2	116.9	13145.6	175.0	-60.4	-74.9	305.5	33.8	27.4	-19.5	350.3	999.9	99.9	999.9	41.5	130.
48.0	123.0	14104.7	150.0	-62.7	-79.9	299.9	26.1	24.6	-8.9	362.1	999.9	99.9	999.9	49.5	128.
52.5	130.3	15220.6	125.0	-66.1	-84.9	317.1	11.1	7.6	-8.2	375.4	999.9	99.9	999.9	53.1	128.
57.2	138.3	16558.4	100.0	-68.6	-89.9	310.5	6.5	5.0	-4.3	395.2	999.9	99.9	999.9	56.6	127.
63.4	144.3	18280.9	75.0	-66.8	-99.9	353.0	3.7	0.5	-3.7	432.9	999.9	99.9	999.9	58.7	128.
71.6	152.0	20787.8	50.0	-58.3	-99.9	70.8	5.3	-5.0	-1.7	506.1	999.9	99.9	999.9	57.7	129.
83.0	164.3	25274.6	25.0	-46.9	-99.9	61.4	6.5	-5.7	-3.1	641.7	999.9	99.9	999.9	55.2	131.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

11 JUNE 1976
1100 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCRP M/SEC	DOT T DG K	E POT T DG K	MX RTC GN/KG	RH PCT	RANGE KM	AZ DG
0.0	7.9	298.0	977.4	18.9	15.4	230.9	1.6	1.2	1.0	294.0	323.5	11.3	80.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	6.2	319.3	975.0	20.3	13.6	249.3	13.9	13.0	4.3	295.6	322.3	10.1	65.5	0.2	32.
0.8	10.4	544.9	950.0	22.3	13.1	253.2	14.7	14.1	4.3	299.8	326.9	10.0	56.1	0.5	52.
1.5	12.5	777.0	925.0	21.7	11.0	260.1	16.0	15.7	2.7	301.5	326.0	9.0	50.7	1.1	67.
2.4	14.9	1013.9	900.0	19.6	10.3	262.8	14.7	14.5	1.6	301.7	325.7	8.9	55.1	1.9	73.
3.1	17.0	1255.8	875.0	17.4	10.2	263.3	14.2	14.1	1.6	301.8	326.3	9.0	62.6	2.5	76.
4.0	19.4	1503.1	850.0	15.1	10.7	261.4	13.4	13.3	2.0	302.0	329.1	9.6	74.9	3.2	77.
4.8	21.7	1755.5	825.0	12.5	10.7	261.4	13.4	13.1	2.0	301.8	329.7	9.9	88.8	3.0	77.
5.7	24.1	2013.6	800.0	10.6	9.1	266.4	13.1	13.1	0.3	302.4	327.5	9.2	90.9	4.6	78.
6.4	26.4	2277.9	775.0	8.8	6.2	268.8	12.9	12.9	0.3	303.2	324.7	7.0	84.2	5.1	79.
7.3	29.0	2548.7	750.0	7.0	2.0	271.4	11.6	11.6	0.3	304.2	320.9	5.9	70.2	4.8	81.
8.3	31.7	2827.0	725.0	4.9	-0.1	268.5	12.3	12.3	0.3	304.8	319.9	5.3	70.2	6.5	82.
9.3	34.3	3112.7	700.0	3.3	-4.1	272.0	12.6	12.6	-0.4	306.1	318.0	4.1	58.7	7.2	82.
10.2	36.9	3407.4	675.0	2.1	-1.4	280.0	11.9	11.8	-2.1	308.0	325.9	4.3	94.8	7.8	84.
11.3	39.7	3711.7	650.0	-0.0	-0.8	281.8	11.6	11.4	-2.4	308.9	325.1	5.6	95.0	8.6	85.
12.3	42.3	4025.9	625.0	-1.3	-2.0	277.9	11.2	11.0	-1.5	311.0	326.5	5.3	95.0	9.2	86.
13.3	45.3	4350.6	600.0	-3.3	-4.0	274.2	12.3	12.3	-0.9	312.3	326.3	4.7	94.5	9.9	87.
14.3	48.3	4687.1	575.0	-4.8	-5.6	273.5	12.2	12.2	-0.8	314.4	327.6	4.4	94.0	10.7	87.
15.3	51.1	5016.1	550.0	-6.6	-7.4	270.5	10.9	10.9	-0.1	316.2	328.3	4.0	94.2	11.4	88.
16.7	54.3	5398.3	525.0	-9.2	-10.0	274.2	11.3	11.3	-0.8	317.4	327.9	3.4	94.1	12.3	88.
18.0	57.3	5775.0	500.0	-11.4	-12.1	282.7	10.8	10.5	-2.4	319.2	328.6	3.0	94.1	13.1	89.
19.3	60.6	6166.8	475.0	-14.2	-15.2	293.3	9.5	8.7	-3.8	320.5	329.3	2.5	91.7	13.9	90.
20.7	64.0	6575.3	450.0	-16.7	-16.7	310.8	8.4	6.4	-5.5	322.3	325.9	1.4	60.3	14.5	91.
22.0	67.3	7002.6	425.0	-19.6	-25.0	338.7	7.9	2.9	-7.4	323.9	327.8	1.2	42.1	15.0	93.
23.3	70.9	7450.7	400.0	-22.4	-25.8	337.4	11.3	4.3	-10.4	326.0	329.9	1.2	73.2	15.3	96.
24.9	74.6	7921.9	375.0	-25.8	-37.2	344.2	11.2	3.1	-10.8	327.5	329.0	0.4	37.2	15.7	100.
26.7	78.5	8418.2	350.0	-29.5	-41.0	334.2	9.7	4.2	-8.7	328.9	330.0	0.3	31.5	16.3	103.
28.3	82.5	8942.9	325.0	-33.2	-45.1	311.1	12.9	9.7	-8.5	330.9	330.9	0.0	1.0	17.1	105.
29.9	86.6	9500.6	300.0	-37.1	-66.1	294.2	15.1	13.8	-6.2	333.1	333.1	0.0	3.2	18.4	106.
31.8	91.2	10095.4	275.0	-42.5	99.9	99.9	99.9	99.9	99.9	333.7	99.9	99.9	99.9	99.9	99.9
33.4	95.8	10731.9	250.0	-47.3	99.9	287.3	11.1	10.6	-3.3	335.8	99.9	99.9	99.9	21.6	107.
36.0	100.8	11421.7	225.0	-52.4	99.9	280.7	12.6	12.3	-2.3	339.2	99.9	99.9	99.9	22.9	107.
38.5	104.5	12174.5	200.0	-57.2	99.9	294.1	17.8	16.2	-7.3	342.2	99.9	99.9	99.9	25.1	107.
41.4	112.3	13011.6	175.0	-60.9	99.9	241.2	13.7	4.4	-13.0	349.4	99.9	99.9	99.9	27.5	109.
44.6	118.7	13971.6	150.0	-59.2	99.9	330.2	8.5	4.2	-7.4	368.1	99.9	99.9	99.9	28.9	113.
48.4	125.8	15113.2	125.0	-53.3	99.9	324.3	12.7	7.5	-10.3	387.7	99.9	99.9	99.9	31.2	115.
53.3	134.0	16501.2	100.0	-62.8	99.9	297.4	9.5	8.4	-4.4	406.5	99.9	99.9	99.9	33.7	117.
59.4	142.0	18275.4	75.0	-61.5	99.9	15.3	2.6	-0.7	-2.5	444.0	99.9	99.9	99.9	35.7	118.
67.0	151.0	23804.6	50.0	-55.5	99.9	83.8	7.1	-7.0	-0.8	512.7	99.9	99.9	99.9	35.8	119.
78.2	160.0	25276.8	25.0	-49.6	99.9	67.4	10.0	-9.3	-3.8	642.0	99.9	99.9	99.9	33.7	124.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 433
SALEM, ILLINOIS11 JUNE 1976
1100 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	0.6	175.0	991.0	19.1	17.2	190.0	3.6	0.6	3.5	293.0	325.6	12.6	89.0	0.0	0.0
0.9	0.9	100.0	999.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	0.1	316.2	975.0	23.0	13.9	999.7	99.9	99.9	99.9	298.3	325.9	10.3	56.5	999.9	99.9
1.3	10.3	543.5	950.0	23.3	14.0	999.9	99.9	99.9	99.9	300.8	320.5	10.7	55.0	999.9	99.9
2.2	12.5	775.6	925.0	21.2	12.6	253.3	10.9	10.5	3.0	301.0	327.9	10.0	57.9	1.4	67.0
3.0	14.8	1012.4	900.0	19.2	11.2	249.8	9.9	9.3	3.4	301.3	326.7	9.3	59.9	1.9	68.0
3.9	16.0	1256.0	875.0	17.0	9.4	251.1	9.3	8.8	3.0	301.4	324.7	8.5	61.1	2.4	68.0
4.8	18.3	1500.8	850.0	14.9	8.3	249.1	7.6	7.1	2.7	301.8	324.1	8.1	64.4	2.8	69.0
5.7	21.6	1753.1	825.0	13.5	6.7	250.0	6.3	6.1	1.5	302.9	319.4	5.9	49.8	3.3	69.0
6.7	24.1	2011.9	800.0	12.7	6.7	250.5	5.2	4.8	-1.6	304.6	326.2	7.7	66.9	3.5	71.0
7.6	26.4	2278.4	775.0	11.1	5.4	302.5	5.2	4.4	-2.9	305.8	326.3	7.3	67.9	3.7	74.0
8.7	29.0	2551.6	750.0	9.7	3.7	327.7	5.1	2.7	-4.3	307.1	326.1	6.7	66.5	3.9	78.0
9.6	31.7	2832.7	725.0	7.7	2.2	355.5	4.4	0.3	-4.4	308.0	325.7	6.2	67.8	4.0	82.0
10.7	34.3	3121.5	700.0	6.1	0.7	374.4	3.5	-1.9	-2.9	309.3	325.9	5.8	68.7	3.8	86.0
11.8	36.9	3419.4	675.0	5.0	-1.3	412.2	2.5	-1.7	-1.9	311.2	326.3	5.2	63.6	3.7	88.0
13.0	39.8	3726.4	650.0	2.7	-2.8	29.5	3.1	-1.5	-2.7	312.0	325.1	4.8	67.0	3.6	90.0
14.1	42.4	4042.8	625.0	0.2	-2.8	22.3	3.0	-1.1	-2.0	312.7	327.4	5.0	80.0	3.5	93.0
15.3	45.3	4365.0	600.0	-2.4	-5.2	4.3	3.0	1.2	-3.0	313.3	326.3	4.3	81.1	3.4	97.0
16.4	48.4	4706.5	575.0	-3.9	-9.0	326.3	3.4	1.9	-2.8	315.5	325.9	3.4	68.4	3.6	100.0
17.7	51.3	5056.8	550.0	-5.3	-25.7	353.7	3.3	4.4	-3.2	317.8	320.7	0.9	18.2	3.7	103.0
19.0	54.4	5420.2	525.0	-7.4	-38.6	11.1	5.6	1.1	-5.5	319.5	325.4	0.3	6.1	3.8	108.0
20.2	57.5	5798.5	500.0	-9.7	-39.1	11.2	7.1	-1.4	-7.0	321.2	322.1	0.3	6.9	3.9	115.0
21.6	60.9	6192.4	475.0	-12.1	-40.4	12.7	7.3	-1.6	-7.2	323.0	323.8	0.2	7.3	4.0	124.0
23.0	64.4	6603.8	450.0	-14.6	-39.2	388.8	7.7	1.5	-7.5	324.8	325.9	0.3	10.4	4.3	132.0
24.5	67.7	7034.4	425.0	-17.6	-27.4	319.6	9.2	5.9	-7.0	326.4	329.6	0.9	42.0	5.1	138.0
26.0	71.3	7485.3	400.0	-21.3	-27.5	300.0	9.2	7.5	-5.4	327.4	332.5	1.0	57.9	5.9	133.0
27.6	75.2	7950.6	375.0	-24.2	-20.5	320.4	9.1	5.8	-7.0	329.6	332.5	0.6	57.9	6.8	133.0
29.4	79.2	8458.4	350.0	-27.9	-44.0	330.5	10.0	4.9	-6.7	331.1	331.9	0.2	19.7	7.7	135.0
31.2	83.2	8980.6	325.0	-31.9	-42.9	316.8	8.8	5.8	-6.6	332.7	333.7	0.3	32.6	8.8	136.0
33.0	87.4	9547.1	300.0	-36.1	-55.5	340.3	11.5	3.9	-10.4	334.5	334.8	0.1	11.4	9.8	137.0
35.4	92.2	10145.5	275.0	-41.1	-59.9	7.8	13.7	-1.9	-13.5	335.7	339.9	99.9	99.9	11.4	143.0
38.0	96.8	10787.8	250.0	-44.9	-59.9	15.7	14.2	-1.8	-13.7	339.3	339.9	99.9	99.9	12.8	151.0
40.4	102.0	11463.9	225.0	-50.4	-59.9	342.0	16.2	5.0	-15.4	341.2	339.9	99.9	99.9	14.5	153.0
43.1	107.5	12245.3	200.0	-54.9	-59.9	332.9	21.5	9.8	-19.2	345.9	339.9	99.9	99.9	17.6	159.0
46.1	113.5	13092.5	175.0	-57.9	-59.9	330.9	21.5	10.4	-18.8	354.4	339.9	99.9	99.9	21.6	155.0
48.6	120.0	14052.1	150.0	-63.8	-59.9	331.2	22.9	14.3	-17.0	360.1	339.9	99.9	99.9	26.4	153.0
50.5	127.3	15173.4	125.0	-63.2	-59.9	316.7	23.3	16.0	-17.0	380.6	339.9	99.9	99.9	31.1	151.0
53.5	135.7	16533.6	100.0	-64.7	-59.9	349.1	5.1	1.0	-5.0	402.8	339.9	99.9	99.9	35.6	150.0
56.5	143.7	18295.4	75.0	-64.5	-59.9	311.7	5.6	4.1	-3.7	437.8	339.9	99.9	99.9	36.5	146.0
73.0	153.0	20830.3	50.0	-58.6	-59.9	60.0	4.7	-4.1	-2.4	505.0	339.9	99.9	99.9	37.1	152.0
85.0	162.7	25324.9	25.0	-47.3	-59.9	74.5	6.0	-7.7	-2.1	649.2	339.9	99.9	99.9	36.2	156.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS11 JUNE 1976
1115 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	13.1	791.0	915.6	20.0	13.9	160.0	6.2	0.0	6.2	300.6	330.3	11.0	68.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.6	14.5	939.9	900.0	21.4	11.0	211.5	17.8	9.3	15.2	303.6	329.0	9.2	51.5	0.4	18.0
1.4	16.3	1125.0	875.0	23.2	7.9	222.7	21.6	14.6	15.8	307.9	329.6	7.7	37.5	1.7	30.0
2.2	18.0	1438.3	850.0	24.6	-2.0	232.6	21.1	16.7	12.8	312.0	323.9	4.0	17.5	2.4	30.0
3.1	20.8	1699.2	825.0	24.1	-4.2	239.6	20.6	17.6	10.7	314.1	324.4	3.4	14.9	3.5	45.0
4.1	23.1	1967.0	800.0	22.5	-5.5	233.7	18.7	15.1	11.1	315.1	324.8	3.2	14.9	4.6	48.0
5.0	25.4	2241.5	775.0	20.2	-7.5	229.1	14.3	10.8	9.4	315.5	324.2	2.8	14.7	5.5	48.0
6.1	27.7	2522.5	750.0	17.4	-5.9	228.4	13.2	9.9	8.8	315.5	325.6	3.3	19.8	6.3	48.0
7.0	30.1	2810.4	725.0	15.5	-8.6	223.3	13.5	9.3	9.8	316.4	325.0	2.6	18.2	7.1	48.0
8.1	32.7	3106.1	700.0	12.5	-5.4	211.7	12.2	6.4	10.4	316.3	327.5	3.7	28.4	7.9	47.0
9.1	35.2	3409.5	675.0	9.5	-3.6	207.9	12.9	6.1	11.4	316.3	329.5	4.4	39.5	8.6	45.0
10.1	37.6	3721.2	650.0	6.5	-7.2	212.3	11.6	6.1	9.8	316.4	327.0	3.7	27.0	9.4	44.0
11.3	40.3	4041.6	625.0	3.8	-6.7	220.3	10.6	6.9	8.1	316.8	328.1	3.5	46.2	10.1	43.0
12.4	42.8	4371.5	600.0	1.0	-9.4	219.4	11.3	7.2	8.7	317.3	327.0	3.1	45.8	10.9	42.0
13.6	45.7	4712.0	575.0	-1.9	-12.3	218.6	9.2	5.8	7.2	317.7	325.9	2.6	45.9	11.6	43.0
14.7	48.6	5063.7	550.0	-5.0	-17.5	214.8	9.4	5.3	7.7	318.2	323.9	1.8	36.8	12.2	43.0
15.9	51.3	5427.2	525.0	-7.9	-23.5	214.2	9.9	5.6	8.2	319.0	322.6	1.1	27.4	12.8	42.0
17.1	54.3	5804.6	500.0	-10.2	-31.7	216.3	11.7	6.9	9.4	320.6	321.0	0.1	2.6	13.6	42.0
18.4	57.3	6198.3	475.0	-11.9	-37.5	220.9	11.4	7.5	8.6	323.2	323.4	0.0	1.0	14.4	42.0
19.5	60.5	6610.4	450.0	-14.2	-45.9	224.8	14.7	10.3	10.4	325.3	325.5	0.0	1.0	15.4	42.0
21.1	63.9	7041.4	425.0	-16.7	-50.5	234.3	14.3	11.6	8.3	327.5	327.6	0.0	1.0	16.8	42.0
22.7	67.1	7493.5	400.0	-20.5	-63.0	232.2	11.1	8.7	6.8	328.4	328.5	0.0	1.0	18.0	43.0
24.5	70.6	7967.8	375.0	-23.9	-65.2	229.7	13.4	10.2	8.7	330.0	330.1	0.0	1.0	19.2	44.0
26.1	74.3	8467.9	350.0	-27.7	-67.6	242.2	19.1	14.9	8.9	331.6	331.5	0.0	1.0	20.7	44.0
27.9	78.3	8996.8	325.0	-31.3	-70.0	256.0	25.1	24.3	6.1	333.6	333.6	0.0	1.0	22.6	47.0
29.7	82.2	9559.8	300.0	-35.0	-72.5	256.7	35.1	34.1	8.1	336.0	336.0	0.0	1.0	25.6	50.0
31.9	86.4	10158.9	275.0	-40.8	-76.9	257.0	37.6	36.8	8.5	338.2	338.2	99.9	999.9	30.2	53.0
34.4	91.0	10801.9	250.0	-44.7	-79.9	257.5	11.2	40.3	8.9	339.6	339.6	99.9	999.9	35.7	53.0
36.7	95.8	11497.3	225.0	-49.1	-84.9	256.5	19.8	38.7	9.2	343.2	343.2	99.9	999.9	41.0	61.0
39.5	101.0	12264.6	200.0	-53.0	-89.9	264.6	38.3	38.1	3.6	348.8	348.8	99.9	999.9	47.3	63.0
42.3	106.8	13114.4	175.0	-58.8	-92.9	261.5	24.6	26.3	3.9	352.8	352.8	99.9	999.9	53.0	66.0
46.4	113.0	14071.2	150.0	-63.2	-99.9	264.9	32.4	30.2	11.7	361.2	361.2	99.9	999.9	59.6	67.0
50.3	120.0	15174.4	125.0	-70.1	-99.9	257.1	25.0	24.4	5.6	368.0	368.0	99.9	999.9	65.6	68.0
55.2	124.0	16500.3	100.0	-65.5	-99.9	302.3	11.4	9.7	-6.1	401.3	401.3	99.9	999.9	72.6	68.0
61.2	137.0	18242.4	75.0	-65.3	-99.9	147.5	7.4	-4.0	6.3	436.1	436.1	99.9	999.9	73.7	68.0
70.0	146.3	20773.9	50.0	-57.7	-99.9	67.5	3.8	-3.5	-1.4	507.6	507.6	99.9	999.9	73.8	67.0
82.9	156.3	23248.6	25.0	-45.1	-99.9	91.5	9.1	-9.1	0.2	643.9	643.9	99.9	999.9	59.4	66.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

11 JUNE 1976
1205 GMT

155 19. 0

TIME MIN	CNTCT	WEIGHT GPH	PRES HG	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT V DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	8.0	268.0	978.4	23.3	16.1	180.3	4.1	0.0	4.1	298.7	330.4	11.9	64.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.2 999.	999.2 999.
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0 999.	999.0 999.
10.2	10.2	485.7	950.0	22.6	15.9	99.9	99.9	99.9	99.9	300.1	332.4	12.1	65.	999.9 999.	999.9 999.
1.5	12.2	721.7	925.0	21.0	13.3	99.9	99.9	99.9	99.9	303.9	329.0	10.5	61.6	999.9 999.	999.9 999.
2.3	14.5	950.2	900.0	21.7	9.3	99.9	99.9	99.9	99.9	303.9	326.7	8.2	45.3	999.9 999.	999.9 999.
2.9	16.6	1204.8	875.0	24.3	6.5	99.9	99.9	99.9	99.9	300.1	329.1	7.0	32.2	999.9 999.	999.9 999.
3.7	19.0	1450.4	850.0	24.6	3.9	99.9	99.9	99.9	99.9	311.9	327.1	5.2	22.6	999.9 999.	999.9 999.
4.7	21.2	1710.9	825.0	22.7	2.0	99.9	99.9	99.9	99.9	312.6	328.5	5.4	25.6	999.9 999.	999.9 999.
5.6	23.7	1985.4	800.0	20.5	1.1	99.9	99.9	99.9	99.9	313.0	328.3	5.2	27.4	999.9 999.	999.9 999.
6.7	25.9	2258.2	775.0	18.2	0.5	99.9	99.9	99.9	99.9	313.4	328.5	5.1	30.3	999.9 999.	999.9 999.
7.8	28.5	2537.6	750.0	15.7	-1.6	305.3	4.8	3.9	-2.8	313.6	327.1	4.5	30.4	3.0 65.	3.0 65.
8.8	31.0	2823.9	725.0	13.4	-2.0	318.1	4.4	3.0	-3.1	314.1	327.8	4.6	24.5	3.1 65.	3.1 65.
10.3	33.7	3117.7	700.0	10.4	-1.7	315.5	3.4	1.4	-3.1	314.0	328.3	4.8	42.9	3.2 70.	3.2 70.
11.2	36.1	3419.0	675.0	8.0	-1.5	353.3	4.4	0.5	-4.3	314.6	329.7	5.1	51.2	3.2 75.	3.2 75.
12.4	39.0	3729.4	650.0	5.7	-3.5	4.8	5.5	-0.4	-5.5	315.4	329.0	4.6	51.7	3.1 81.	3.1 81.
13.5	41.6	4049.1	625.0	2.7	-5.0	10.5	5.8	-1.1	-5.7	315.6	329.3	4.2	56.5	3.0 88.	3.0 88.
14.5	44.5	4378.5	600.0	1.4	-11.6	1.4	6.9	-0.2	-6.9	317.8	326.2	2.7	38.7	2.9 95.	2.9 95.
15.4	47.5	4720.5	575.0	-0.5	-22.1	352.7	8.8	1.1	-8.7	317.4	323.2	1.1	17.5	3.0 103.	3.0 103.
16.4	50.4	5073.6	550.0	-3.7	-21.1	353.9	9.4	1.0	-9.6	319.7	324.0	1.3	24.4	3.3 112.	3.3 112.
17.5	53.5	5439.0	525.0	-6.8	-23.0	357.0	9.1	0.5	-9.1	320.3	324.0	1.1	26.8	3.6 122.	3.6 122.
18.7	56.5	5818.0	500.0	-9.2	-24.7	311.7	8.2	2.4	-7.8	321.8	325.5	1.1	28.8	4.0 129.	4.0 129.
20.0	59.9	6214.0	475.0	-10.8	-22.1	315.4	11.4	8.0	-8.2	324.6	329.2	1.4	28.6	4.6 131.	4.6 131.
21.5	63.3	6627.4	450.0	-12.8	-37.4	300.9	15.0	12.9	-7.7	327.1	328.4	0.3	10.9	5.9 130.	5.9 130.
22.8	66.7	7061.4	425.0	-15.8	-37.8	295.5	15.7	14.2	-6.8	327.7	329.9	0.4	12.1	7.1 129.	7.1 129.
24.0	70.3	7514.9	400.0	-19.6	-37.3	290.9	14.3	13.7	-4.2	329.5	330.9	0.4	18.9	8.2 126.	8.2 126.
25.3	74.0	7990.9	375.0	-22.8	-31.0	278.4	15.9	15.7	-2.3	331.4	334.1	0.8	46.7	9.2 123.	9.2 123.
26.6	78.0	8453.9	350.0	-25.8	-57.3	263.6	17.0	17.0	0.1	334.2	334.4	0.0	3.3	10.4 119.	10.4 119.
28.0	82.0	9027.1	325.0	-29.5	-65.8	245.5	19.2	18.5	-5.1	336.0	336.1	0.0	1.0	11.7 116.	11.7 116.
29.9	86.2	9593.3	300.0	-33.9	-68.7	246.9	25.1	22.4	-11.4	337.6	337.7	0.0	2.1	14.2 110.	14.2 110.
31.7	90.8	10196.3	275.0	-38.7	99.9	290.9	31.9	25.8	-11.4	339.2	339.9	99.9	99.9	17.3 116.	17.3 116.
33.6	95.7	10843.1	250.0	-44.3	99.9	280.5	37.9	35.7	-12.6	340.2	339.9	99.9	99.9	21.3 115.	21.3 115.
35.5	100.7	11539.6	225.0	-50.5	99.9	249.9	37.8	35.6	-12.9	341.1	339.9	99.9	99.9	25.6 114.	25.6 114.
37.6	106.3	12300.1	200.0	-54.3	99.9	292.5	34.4	31.6	-13.2	340.7	339.9	99.9	99.9	30.1 113.	30.1 113.
40.2	112.3	13146.2	175.0	-59.3	99.9	278.1	31.4	31.0	-4.5	352.0	339.9	99.9	99.9	35.1 113.	35.1 113.
43.3	119.0	14104.6	150.0	-61.1	99.9	271.2	31.3	31.3	-0.5	350.8	339.9	99.9	99.9	40.9 110.	40.9 110.
46.9	126.3	15228.2	125.0	-64.6	99.9	263.8	14.1	14.1	0.1	377.9	339.9	99.9	99.9	46.6 108.	46.6 108.
51.1	134.7	16569.0	100.0	-67.4	99.9	281.5	14.4	14.1	-2.9	377.6	339.9	99.9	99.9	49.1 107.	49.1 107.
56.6	142.7	18310.3	75.0	-64.1	99.9	157.4	2.0	-0.8	1.8	438.5	339.9	99.9	99.9	51.0 106.	51.0 106.
64.0	151.3	20845.3	50.0	-56.0	99.9	94.0	4.1	-4.1	0.3	511.5	339.9	99.9	99.9	49.7 106.	49.7 106.
75.5	160.0	25321.2	25.0	-44.8	99.9	77.4	9.5	-9.3	-4.1	644.2	339.9	99.9	99.9	46.6 108.	46.6 108.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
DENVER, COLORADO

11 JUNE 1976
1140 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT T DG K	MX QTD GM/KG	RH PCT	RANGE KM	AZ DG
0.2	21.7	1611.0	828.0	14.4	-5.9	120.0	4.1	-1.6	2.0	333.5	312.2	3.0	24.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.6	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.3	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.7	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.4	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
5.1	21.9	1642.0	825.0	16.8	-3.9	230.5	8.1	6.3	5.1	308.5	318.9	3.5	21.2	0.2	343.
5.8	24.5	1908.4	800.0	21.9	-4.5	230.6	11.9	9.2	7.6	314.5	324.9	3.4	16.6	9.5	20.
6.5	26.7	2182.0	775.0	19.9	-6.1	227.1	13.4	9.6	9.1	315.2	324.8	3.1	16.3	1.1	35.
7.2	29.3	2462.6	750.0	17.2	-8.9	224.5	15.8	11.1	11.3	315.2	323.9	2.8	17.1	1.8	39.
7.9	32.0	2750.0	725.0	14.7	-9.6	228.0	17.3	12.9	11.6	315.5	323.4	2.5	17.6	3.3	41.
8.6	34.7	3044.9	700.0	11.9	-11.1	225.7	19.5	14.8	12.6	315.7	323.0	2.3	18.8	3.3	43.
9.3	37.1	3347.5	675.0	9.3	-12.4	225.6	19.3	13.8	13.5	315.1	323.0	2.2	20.0	4.1	44.
10.0	40.0	3650.6	650.0	6.8	-11.8	216.6	22.7	14.5	17.5	316.6	324.1	2.4	25.1	5.1	44.
10.7	42.6	3970.7	625.0	5.0	-18.1	216.1	22.9	13.5	18.5	318.2	322.9	1.5	16.9	6.7	42.
11.4	45.6	4311.6	600.0	3.9	-21.3	211.1	19.4	10.0	16.6	320.6	324.5	1.2	13.8	8.5	41.
12.1	48.6	4655.7	575.0	1.4	-23.0	198.7	19.5	6.2	18.4	321.4	325.1	1.0	14.1	9.9	38.
12.8	51.4	5011.6	550.0	-1.1	-26.9	192.1	19.2	4.3	18.8	322.8	325.4	0.8	11.9	11.5	35.
13.5	54.6	5370.9	525.0	-3.9	-28.6	181.3	19.3	3.8	18.9	323.7	325.1	0.7	13.4	13.1	32.
14.2	57.7	5760.9	500.0	-6.7	-30.7	150.4	19.8	1.4	19.4	322.4	324.5	0.6	14.9	14.8	30.
14.9	61.0	6155.7	475.0	-12.2	-32.9	183.8	19.3	1.3	19.3	322.9	324.6	0.5	15.9	16.5	27.
15.6	64.4	6566.1	450.0	-16.2	-35.5	151.6	19.2	3.8	19.3	322.9	324.4	0.4	16.9	18.0	25.
16.3	67.9	6993.1	425.0	-20.1	-39.3	197.5	20.7	6.2	19.7	321.2	324.2	0.3	16.1	19.5	24.
17.0	71.3	7439.4	400.0	-24.0	-41.8	192.5	18.4	4.0	19.0	323.8	324.6	0.2	17.4	21.3	24.
17.7	75.3	7906.0	375.0	-28.6	-44.4	189.9	20.5	3.5	20.2	323.7	324.4	0.2	19.6	23.4	22.
18.4	79.2	8358.6	350.0	-32.3	-47.0	200.0	20.8	7.1	19.6	325.1	325.8	0.2	21.3	25.9	22.
19.1	83.2	8914.8	325.0	-36.6	-51.0	223.7	20.6	8.3	18.8	326.2	326.6	0.1	24.6	28.8	22.
19.8	87.3	9464.0	300.0	-40.9	-54.9	213.3	22.3	12.5	19.1	327.7	326.9	0.9	28.9	32.0	22.
20.5	92.0	10049.4	275.0	-45.6	-59.2	225.5	27.4	19.0	19.3	329.2	326.9	0.9	35.3	35.3	24.
21.2	95.7	10683.5	250.0	-46.4	-64.9	231.8	42.3	33.3	26.2	337.2	326.9	0.9	41.3	41.3	26.
21.9	101.8	11377.7	225.0	-49.8	-69.9	235.4	49.0	39.5	27.2	342.2	326.9	0.9	47.6	47.6	31.
22.6	107.3	12147.6	200.0	-49.8	-74.9	227.5	29.3	21.6	19.9	354.0	326.9	0.9	56.8	56.8	35.
23.3	113.3	13011.4	175.0	-54.8	-79.9	213.6	33.2	18.4	27.7	359.5	326.9	0.9	61.0	61.0	35.
24.0	119.9	13944.9	150.0	-60.7	-84.9	220.0	37.8	17.8	21.3	365.5	326.9	0.9	65.3	65.3	35.
24.7	127.0	15104.9	125.0	-66.0	-89.9	222.2	27.6	14.4	20.3	375.4	326.9	0.9	73.2	73.2	35.
25.4	135.0	16470.6	100.0	-59.2	-99.9	166.8	9.3	-2.1	9.1	413.3	326.9	0.9	79.7	79.7	36.
26.1	142.8	18245.5	75.0	-61.2	-99.9	233.1	5.7	4.5	3.4	444.7	326.9	0.9	80.7	80.7	36.
26.8	151.3	20801.4	50.0	-56.1	-99.9	94.5	4.4	-4.4	0.7	511.4	326.9	0.9	87.7	87.7	36.
27.5	159.7	25300.0	25.0	-7.8	-99.9	115.4	4.2	-3.4	1.4	647.5	326.9	0.9	99.0	99.0	32.

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 476
 GRAND JUNCTION, COLORADO

 11 JUNE 1976
 105 GMT

TIME MIN	CNTCT	HEIGHT GPM	PPES MB	TEMP DG C	DEW PT DG C	DIP DG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT T DG K	MX RTO CM/KG	RH PCT	RANGE KM	AZ DG
0.0	18.5	1472.0	845.1	17.2	-6.6	200.0	4.1	1.4	3.9	304.7	312.8	2.8	19.0	0.0	0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
C 5	20.4	1677.6	825.0	17.1	-3.4	190.3	8.1	1.4	8.0	306.7	317.3	3.6	24.4	0.4	20
1.4	22.5	1938.9	800.0	15.1	-4.5	185.3	11.4	1.0	11.3	307.3	317.4	3.4	25.4	0.8	13
2.1	24.7	2206.5	775.0	12.7	-5.9	194.5	12.8	3.2	12.4	307.5	316.9	3.2	26.7	1.3	11
3.0	26.9	2480.1	750.0	10.1	-7.3	198.0	11.6	3.6	11.0	307.6	316.3	2.9	28.5	2.0	13
3.9	29.3	2760.5	725.0	7.4	-8.8	199.2	12.7	4.2	12.0	307.6	315.7	2.7	30.7	2.6	15
4.7	31.8	3048.1	700.0	5.0	-11.0	198.8	15.6	5.0	14.7	308.1	315.2	2.4	30.3	3.2	16
5.5	34.4	3343.4	675.0	2.3	-12.7	202.1	19.2	7.2	17.8	308.3	314.8	2.1	31.9	4.2	17
6.3	36.8	3646.5	650.0	-1.0	-14.8	202.5	22.1	8.4	20.4	307.8	313.6	1.9	34.1	5.2	18
7.0	39.4	3958.1	625.0	-3.6	-16.8	201.5	24.6	9.0	22.9	308.3	312.7	1.4	29.6	6.1	19
7.6	41.9	4279.3	600.0	-5.8	-18.8	199.8	25.7	8.7	24.2	309.4	312.9	1.1	24.9	7.0	19
8.4	44.8	4610.8	575.0	-9.0	-21.1	196.3	26.5	7.4	25.4	309.5	313.4	1.2	36.7	8.3	19
9.3	47.6	4952.9	550.0	-12.1	-22.6	192.8	28.3	6.3	27.6	309.7	313.3	1.1	40.5	9.8	18
10.4	50.5	5306.7	525.0	-15.2	-25.1	192.4	29.9	6.4	29.2	310.1	313.2	0.9	42.3	11.7	17
11.6	53.4	5673.6	500.0	-17.9	-34.4	199.1	29.0	9.8	28.3	311.2	312.6	0.4	21.9	13.8	17
13.7	56.3	6056.2	475.0	-18.4	-33.2	195.1	33.9	13.3	31.2	315.2	312.9	0.5	27.6	17.8	18
16.7	59.4	6459.7	450.0	-19.2	-34.2	194.6	38.0	9.5	36.7	321.0	322.7	0.4	31.5	28.6	18
18.6	62.9	6882.7	425.0	-21.8	-37.9	196.2	39.3	11.0	37.7	322.3	323.6	0.4	29.1	32.0	17
20.0	66.1	7325.9	400.0	-25.1	-40.7	194.8	41.5	13.3	39.3	323.2	324.2	0.3	31.1	35.2	17
21.4	69.7	7791.3	375.0	-29.0	-44.2	201.1	40.2	14.5	37.5	324.4	325.2	0.2	30.9	39.1	18
23.0	73.3	8281.0	350.0	-32.9	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
24.7	77.3	8797.6	325.0	-37.4	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
26.5	81.3	9366.2	300.0	-40.9	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
28.6	85.6	9933.0	275.0	-45.2	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
31.5	90.2	10569.0	250.0	-44.1	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
34.7	95.0	11276.7	225.0	-44.0	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
37.3	100.2	12062.9	200.0	-46.8	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
40.4	105.8	12939.3	175.0	-51.5	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
44.2	112.0	13929.5	150.0	-54.8	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
48.3	119.0	15086.4	125.0	-59.6	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
52.3	127.3	16464.3	100.0	-67.7	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
57.7	136.7	18236.4	75.0	-60.7	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
68.8	147.0	20821.4	50.0	-56.6	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18
78.1	159.0	25233.7	25.0	-48.7	-48.2	204.2	45.4	18.6	41.4	325.1	325.7	0.1	31.0	43.7	18

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TIME MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
 PEORIA, ILLINOIS

 11 JUNE 1976
 1100 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG °	E POT T DG K	MX RTJ GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.1	202.0	986.4	17.8	16.1	200.0	2.6	0.9	2.4	292.1	322.6	11.8	90.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.4	8.1	302.2	975.0	19.8	15.0	301.8	10.9	9.3	-5.7	295.1	324.1	11.1	74.0	0.2	34.0
1.2	10.3	526.3	950.0	22.1	14.5	270.8	6.0	6.0	-0.1	299.7	329.1	11.0	1.8	0.5	83.0
2.0	12.3	760.1	925.0	21.4	14.2	265.5	6.5	6.5	0.5	301.2	331.2	11.1	63.8	0.7	79.0
2.8	14.6	997.5	900.0	20.0	14.4	275.2	7.0	6.9	-0.6	302.1	333.5	11.6	70.5	1.1	83.0
3.7	16.6	1240.8	875.0	18.9	15.3	274.5	6.4	6.4	-0.5	303.5	337.6	12.6	79.3	1.4	87.0
4.5	19.1	1489.7	850.0	16.9	15.4	275.1	7.1	7.0	-1.1	303.9	339.3	13.1	90.8	1.7	87.0
5.4	21.2	1744.6	825.0	15.4	14.3	280.9	5.3	5.2	-1.0	304.9	339.1	12.6	93.5	2.1	90.0
6.4	23.7	2005.4	800.0	12.9	11.9	271.0	5.8	5.9	-0.1	304.9	335.2	11.1	93.6	2.4	92.0
7.4	26.0	2272.3	775.0	11.5	10.5	263.7	4.3	4.3	0.5	306.2	334.8	10.4	93.4	2.7	91.0
8.6	28.6	2546.1	750.0	9.0	7.9	270.3	3.1	3.1	-0.0	306.3	331.4	9.0	93.4	2.9	89.0
9.9	31.1	2827.9	725.0	9.7	-5.6	306.5	3.1	2.5	-1.9	310.2	323.5	3.5	33.2	3.1	91.0
11.0	33.8	3118.0	700.0	7.0	-5.1	269.5	1.5	1.5	0.0	310.3	321.5	3.8	41.9	3.3	92.0
12.1	36.3	3415.8	675.0	4.6	-5.3	324.5	4.5	2.6	-3.7	313.8	322.1	3.8	48.7	3.4	94.0
13.2	39.0	3721.9	650.0	2.1	-11.9	285.3	3.8	3.6	-1.0	311.3	318.6	2.4	34.7	3.6	97.0
14.3	41.7	4037.6	625.0	0.8	-49.5	285.4	3.4	3.2	-1.1	313.3	313.6	0.1	1.0	3.9	97.0
15.5	44.5	4362.9	600.0	-1.4	-50.8	281.9	2.7	2.6	-0.6	314.5	314.7	0.1	1.0	4.1	98.0
16.8	47.5	4701.5	575.0	-2.9	-51.8	274.2	1.7	1.7	-0.2	316.6	316.8	0.1	1.0	4.3	98.0
18.0	50.5	5052.6	550.0	-4.6	-52.9	299.9	1.4	1.2	-0.7	318.6	318.8	0.0	1.0	4.4	98.0
19.4	53.5	5417.1	525.0	-7.0	-54.3	299.7	1.5	1.4	-0.5	320.1	321.2	0.0	1.0	4.5	99.0
20.7	56.5	5795.2	500.0	-9.9	-56.2	308.3	2.2	1.7	-1.4	321.0	321.2	0.0	1.0	4.7	99.0
22.2	60.0	6188.4	475.0	-12.9	-58.1	156.6	1.1	-0.4	1.0	323.0	322.2	0.0	1.0	4.7	99.0
23.6	63.4	6598.5	450.0	-15.8	-60.0	340.9	7.0	1.1	-6.9	323.4	323.5	0.0	1.0	4.8	101.0
25.1	66.9	7026.9	425.0	-18.5	-61.7	338.4	6.4	2.4	-4.0	325.2	325.3	0.0	1.0	5.0	108.0
26.7	70.5	7476.5	400.0	-21.7	-63.7	331.2	5.0	2.4	-4.3	326.8	326.9	0.0	1.0	5.5	117.0
28.5	74.3	7949.5	375.0	-24.4	-65.5	330.0	8.0	4.0	-6.9	329.3	329.3	0.0	1.0	6.1	118.0
30.1	78.3	8448.8	350.0	-28.0	-67.8	316.4	7.0	4.7	-5.3	331.1	331.1	0.0	1.0	6.4	117.0
31.9	82.3	8974.4	325.0	-32.2	-70.6	294.0	1.6	1.4	-0.6	332.4	332.4	0.0	1.0	7.0	119.0
33.7	86.6	9536.0	300.0	-36.4	-73.4	340.9	1.7	4.5	-12.9	334.1	334.1	0.0	1.0	7.8	124.0
35.6	91.4	10133.4	275.0	-41.2	-79.9	335.6	1.9	4.2	-18.2	335.5	335.5	99.9	99.9	10.2	133.0
37.9	96.2	10772.1	250.0	-47.4	-90.9	320.3	1.2	7.8	-9.2	335.7	335.7	99.9	99.9	10.8	132.0
40.2	101.3	11461.4	225.0	-51.5	-99.9	314.8	17.5	12.4	-12.3	330.5	330.5	99.9	99.9	12.0	135.0
43.0	107.0	12216.0	200.0	-56.7	-99.9	320.4	14.9	9.5	-11.5	343.1	343.1	99.9	99.9	15.1	135.0
46.3	113.0	13062.5	175.0	-56.7	-99.9	290.6	22.2	20.8	-7.8	350.4	350.4	99.9	99.9	16.4	134.0
49.8	119.5	14025.0	150.0	-62.4	-99.9	195.0	13.5	3.5	13.1	362.6	362.6	99.9	99.9	19.0	133.0
54.1	126.7	15152.5	125.0	-62.4	-99.9	317.0	14.7	10.0	-10.8	382.0	382.0	99.9	99.9	20.4	129.0
58.0	134.3	16520.0	100.0	-65.2	-99.9	274.9	6.0	6.0	-0.4	401.8	401.8	99.9	99.9	23.1	129.0
64.9	141.8	18276.1	75.0	-63.4	-99.9	271.5	2.1	2.1	-0.1	440.0	440.0	99.9	99.9	24.1	128.0
73.0	149.7	20809.3	50.0	-56.5	-99.9	352.0	14.4	2.0	-14.3	510.5	510.5	99.9	99.9	27.0	133.0
85.3	157.5	25320.4	25.0	-47.8	-99.9	156.3	5.7	-2.3	5.3	648.0	648.0	99.9	99.9	24.4	133.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA11 JUNE 1976
1100 GMT

TIME MIN	CNTCT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	9.3	400.0	958.3	21.1	18.5	170.0	3.1	-0.5	3.1	297.9	335.0	14.1	85.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	10.0	475.8	955.0	23.1	18.9	212.1	11.9	6.3	10.1	303.7	327.5	9.9	52.6	0.3	356.
0.9	11.8	710.2	925.0	25.9	12.0	215.3	17.3	7.1	10.1	305.8	332.4	9.6	42.0	0.6	13.
1.8	13.8	951.1	900.0	24.3	11.0	225.1	16.9	11.3	12.5	306.5	332.2	9.2	43.2	1.4	28.
2.6	15.7	1197.6	875.0	24.4	8.3	230.1	15.5	11.9	10.0	309.1	331.5	7.9	36.0	2.1	34.
3.6	17.8	1451.4	850.0	23.8	7.6	225.0	10.6	7.5	7.5	311.1	333.3	7.8	35.4	2.9	39.
4.5	20.0	1711.5	825.0	22.0	6.6	209.6	8.5	4.2	7.4	311.9	333.3	7.4	36.7	3.4	39.
5.5	22.0	1977.9	800.0	20.5	6.1	193.1	7.5	1.7	7.3	313.0	334.4	7.4	38.9	3.7	36.
6.5	24.3	2250.5	775.0	17.0	3.5	181.4	7.9	0.2	7.9	312.2	330.6	6.4	40.7	4.2	34.
7.5	26.4	2529.7	750.0	16.0	-3.7	171.3	9.5	-1.4	9.4	313.9	325.7	3.9	25.6	4.6	30.
8.6	28.8	2816.0	725.0	13.3	-9.5	169.5	9.9	-1.8	9.7	314.1	327.0	2.6	19.5	5.1	25.
9.5	31.2	3109.8	700.0	10.7	-7.6	170.5	6.8	-1.5	8.7	314.3	323.8	3.1	27.1	5.6	22.
10.7	33.7	3411.2	675.0	7.6	-3.4	182.6	8.1	0.4	8.1	314.2	327.4	4.4	45.4	6.0	19.
11.9	36.0	3720.7	650.0	5.5	-11.6	192.9	8.9	2.0	8.7	315.2	322.7	2.4	28.0	6.7	18.
13.0	38.6	4039.6	625.0	2.6	-11.8	202.0	8.2	3.1	7.6	315.5	323.2	2.5	33.6	7.3	18.
14.1	41.0	4367.8	600.0	-0.4	-13.6	215.9	7.2	4.5	5.6	315.6	322.6	2.2	36.2	7.8	19.
15.3	43.8	4707.3	575.0	-2.0	-13.3	258.0	6.3	6.2	1.3	317.7	325.1	2.4	41.3	8.7	21.
16.6	46.6	5059.5	550.0	-4.7	-12.8	272.9	7.4	7.8	-0.4	318.5	326.7	2.6	53.2	8.4	24.
17.9	49.6	5424.2	525.0	-7.4	-14.3	293.2	9.2	8.4	-2.6	319.5	327.1	2.4	57.8	8.6	29.
19.3	52.3	5802.5	500.0	-10.3	-18.0	302.7	9.3	7.9	-5.0	320.5	326.5	1.8	52.9	8.5	34.
20.7	55.3	6196.3	475.0	-12.5	-21.1	313.0	7.6	5.5	-5.2	322.5	327.4	1.5	48.5	9.4	39.
22.3	58.4	6606.7	450.0	-16.1	-22.1	319.3	7.4	4.8	-5.6	323.9	327.9	1.4	56.3	8.4	43.
23.7	61.6	7034.3	425.0	-19.6	-24.8	299.6	5.9	7.7	-4.4	323.9	326.1	1.2	63.1	8.5	48.
25.3	65.0	7462.3	400.0	-22.3	-26.6	274.8	3.8	13.7	-1.2	326.0	326.1	0.6	38.4	9.2	54.
26.9	68.4	7955.5	375.0	-24.6	-28.1	273.3	1.4	14.0	-0.8	329.1	329.3	0.1	4.0	10.2	58.
28.7	72.9	8453.0	350.0	-29.3	-30.9	275.1	16.5	16.4	-1.5	329.3	329.4	0.0	3.3	11.4	63.
30.5	75.8	8979.0	325.0	-32.4	-32.6	260.9	23.1	22.9	3.6	331.5	331.6	0.0	4.4	13.5	67.
32.7	80.0	9538.0	300.0	-34.6	-34.6	258.1	19.9	19.5	4.1	333.8	333.8	0.0	1.8	14.4	69.
35.0	84.2	10135.2	275.0	-41.4	-39.9	267.1	14.6	14.6	0.7	335.3	335.3	99.9	999.9	18.6	71.
37.3	88.7	10776.1	250.0	-46.1	-39.9	275.7	19.8	19.7	-2.0	337.6	337.6	99.9	999.9	20.8	73.
39.7	93.6	11468.2	225.0	-51.2	-39.9	272.5	21.4	21.4	-1.0	340.0	340.0	99.9	999.9	23.7	76.
42.3	99.0	12233.8	200.0	-56.3	-39.9	265.6	22.8	22.4	1.7	343.6	343.6	99.9	999.9	27.1	77.
45.3	104.5	13064.5	175.0	-59.9	-39.9	257.6	31.4	30.6	6.7	351.0	351.0	99.9	999.9	32.0	78.
49.1	110.8	14033.5	150.0	-58.3	-39.9	263.8	20.9	20.8	2.3	369.6	369.6	99.9	999.9	38.3	79.
53.1	117.7	15168.8	125.0	-63.5	-39.9	260.3	16.8	15.7	-5.8	380.0	380.0	99.9	999.9	42.4	81.
57.6	125.7	16512.6	100.0	-64.9	-39.9	267.4	7.5	7.5	0.3	398.5	398.5	99.9	999.9	46.1	83.
63.6	134.5	18265.9	75.0	-63.3	-39.9	244.8	0.3	0.3	0.1	440.2	440.2	99.9	999.9	47.8	82.
72.2	143.0	20805.8	50.0	-56.3	-39.9	71.1	0.6	-0.6	-0.2	510.7	510.7	99.9	999.9	47.2	82.
84.5	151.3	25282.0	25.0	-50.1	-39.9	69.7	7.5	-7.0	-2.6	641.2	641.2	99.9	999.9	43.9	83.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

STATION NO. 562 NORTH PLATTE, NEBRASKA													
11 JUNE 1976 1115 GMT													
TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RM PCT
0.0	14.7	647.0	905.2	17.2	12.7	110.0	3.6	-3.4	1.2	298.7	325.3	10.3	75.0
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	15.2	696.6	900.0	20.3	99.9	99.9	99.9	99.9	99.9	302.5	330.3	8.9	50.1
1.5	17.4	1139.4	875.0	21.0	9.9	99.9	99.9	99.9	99.9	305.7	330.3	8.9	50.1
2.2	19.9	1391.7	850.0	22.7	6.5	225.2	10.0	13.4	13.4	306.9	330.4	7.2	35.1
2.9	22.2	1652.6	825.0	23.8	7.4	235.5	10.8	13.8	9.5	313.7	336.4	7.9	34.9
4.1	24.8	1921.8	800.0	25.4	3.8	221.5	11.1	7.3	8.3	318.2	337.0	6.3	24.8
5.3	27.2	2199.1	775.0	26.6	0.6	247.2	11.4	10.5	4.4	318.1	337.7	5.2	23.2
6.3	29.9	2482.7	750.0	28.0	-1.6	250.2	11.0	10.3	3.7	318.3	332.1	4.6	23.3
7.5	32.7	2773.7	725.0	18.0	-3.7	235.6	11.2	9.7	5.7	319.2	331.5	4.0	22.6
8.4	35.4	3072.6	700.0	15.7	-5.3	237.6	12.1	10.3	6.5	319.8	331.2	3.7	23.2
9.3	37.9	3379.4	675.0	13.1	-6.7	235.2	13.1	10.0	6.9	320.3	331.0	3.4	24.5
10.3	40.7	3694.8	650.0	10.0	-8.3	233.1	11.4	9.1	6.8	320.2	330.1	3.2	26.8
11.4	43.6	4018.7	625.0	6.6	-8.5	227.4	11.2	8.2	7.6	320.0	330.0	3.2	33.1
12.4	46.8	4351.9	600.0	3.4	-8.0	219.9	11.2	7.2	8.6	320.1	330.9	3.5	42.8
13.6	49.9	4695.2	575.0	0.2	-8.8	210.2	13.0	7.6	9.3	320.2	330.8	3.4	50.7
14.8	52.9	5049.5	550.0	-3.3	-10.2	210.4	13.7	8.5	10.7	320.2	330.2	3.2	59.0
16.0	56.0	5415.2	525.0	-7.0	-10.9	214.5	12.6	7.1	10.4	320.1	329.9	3.2	73.2
17.4	59.4	5793.8	500.0	-10.8	-11.6	214.9	12.4	7.1	10.1	315.9	329.7	3.2	94.0
18.7	62.9	6185.1	475.0	-13.9	-17.2	214.9	13.3	7.0	10.1	320.9	327.5	2.1	76.5
20.3	66.3	6594.9	450.0	-16.4	-20.4	220.9	12.9	6.4	9.7	322.6	325.9	1.0	41.7
22.0	70.1	7022.6	425.0	-19.2	-32.3	222.9	16.6	11.5	12.3	323.3	326.4	0.6	70.0
23.5	73.7	7470.9	400.0	-22.6	-35.0	224.5	15.5	10.8	11.0	325.6	327.3	0.5	31.2
25.0	77.8	7940.9	375.0	-26.0	-36.6	227.9	19.7	14.6	13.2	327.1	328.3	0.3	26.6
26.7	81.8	8437.2	350.0	-29.1	-43.5	228.5	20.3	15.7	14.0	329.6	330.4	0.2	23.2
28.7	84.0	8967.6	325.0	-32.7	-48.5	233.3	19.0	15.2	11.3	331.6	332.1	0.2	23.4
31.0	90.6	9522.1	300.0	-37.0	-50.0	247.0	21.6	15.9	8.4	333.3	333.8	0.1	24.0
33.1	95.3	10118.8	275.0	-41.2	69.9	251.0	23.5	22.2	7.7	335.5	999.9	99.9	999.9
35.2	100.2	10759.5	250.0	-46.0	99.9	258.9	31.5	30.4	6.1	337.6	999.9	99.9	999.9
37.4	105.4	11453.3	225.0	-50.8	99.9	257.7	34.0	33.2	7.2	340.6	999.9	99.9	999.9
40.1	112.8	12212.4	200.0	-54.9	99.9	265.6	28.3	28.2	2.2	345.9	999.9	99.9	999.9
43.1	116.8	13059.1	175.0	-58.2	99.9	247.1	19.5	17.9	7.6	351.9	999.9	99.9	999.9
46.6	123.7	14020.9	150.0	-62.3	99.9	233.1	30.4	26.3	16.3	362.7	999.9	99.9	999.9
50.6	130.8	15144.2	125.0	-61.5	99.9	254.3	19.6	18.9	5.3	383.7	999.9	99.9	999.9
55.0	134.3	16512.5	100.0	-66.3	99.9	239.1	7.7	6.6	4.0	398.6	999.9	99.9	999.9
60.9	146.0	18280.9	75.0	-60.7	99.9	263.4	2.2	2.2	0.2	445.7	999.9	99.9	999.9
68.9	154.5	20841.6	50.0	-55.9	99.9	63.2	4.8	-8.3	-2.2	511.9	999.9	99.9	999.9
81.3	163.7	25325.8	25.0	-49.3	99.9	91.1	6.9	-0.9	0.1	643.3	999.9	99.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 576
 LANDER, WYOMING

 11 JUNE 1976
 1115 GMT

TIME MIN	ONCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH PCY	RANGE KM	AZ DG
0.0	22.7	1695.0	820.0	11.3	2.9	100.0	3.1	-3.1	0.5	301.1	317.1	5.8	50.0	0.0	0.
00.9	00.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.9
00.9	00.9	99.9	800.0	12.1	2.7	99.9	99.9	99.9	99.9	304.1	320.1	5.8	52.4	99.9	999.9
0.9	24.6	1922.0	775.0	11.8	0.6	102.0	4.5	-4.4	1.0	306.5	321.3	4.2	46.2	0.4	287.
1.7	27.1	2166.0	750.0	10.8	-2.5	181.3	1.0	0.0	1.0	308.3	320.7	4.2	39.1	0.5	290.
2.6	29.8	2442.0	725.0	8.8	-5.5	221.8	3.5	2.3	2.6	309.1	319.5	3.5	35.7	0.5	301.
3.7	32.5	2723.7	700.0	6.2	-6.7	211.5	6.4	4.4	7.1	309.4	319.3	3.1	39.0	0.6	335.
4.6	35.2	3012.9	675.0	4.0	-7.5	204.1	14.3	6.3	12.9	310.7	319.8	3.2	42.9	1.1	4.
5.5	37.8	3309.8	650.0	1.5	-9.6	195.4	17.2	4.6	16.6	312.1	319.3	2.8	43.1	2.2	1.4
6.8	40.5	3615.6	625.0	-1.2	-11.3	190.3	19.9	3.6	19.6	311.1	319.0	2.6	46.0	3.5	1.4
7.9	43.4	3930.0	600.0	-4.3	-12.9	181.3	20.6	0.5	20.6	311.2	318.4	2.4	50.7	4.8	1.4
9.0	46.4	4253.7	575.0	-7.3	-13.5	174.9	20.3	-1.8	20.2	311.4	318.7	2.4	61.4	6.1	8.
10.0	49.4	4587.6	550.0	-10.1	-14.7	174.8	18.8	-1.7	18.7	312.1	319.0	2.2	69.0	7.4	6.
11.2	52.4	4932.5	525.0	-13.1	-23.2	160.3	19.5	0.1	19.5	312.7	316.4	1.1	43.2	8.8	4.
12.4	55.5	5299.3	500.0	-15.2	-34.7	189.0	22.1	3.4	21.9	314.5	315.9	0.4	17.0	10.3	4.
13.7	58.7	5659.5	475.0	-17.5	-30.3	190.2	27.1	4.8	26.6	316.3	318.5	0.6	31.6	12.4	5.
15.1	62.1	6085.5	450.0	-20.6	-36.9	169.2	27.1	4.3	26.8	317.3	318.5	0.4	21.6	14.8	6.
16.6	65.6	6488.4	425.0	-24.3	-39.4	187.8	29.2	4.0	28.9	317.9	318.9	0.3	22.9	17.5	6.
18.2	69.1	6857.7	400.0	-28.0	-42.3	193.1	29.9	6.7	29.1	318.6	319.4	0.2	23.9	20.1	7.
19.7	72.7	7306.5	375.0	-31.3	-45.4	192.8	32.5	7.2	31.7	320.2	320.8	0.2	23.1	23.2	8.
21.2	76.5	7766.8	350.0	-35.2	-49.9	198.2	33.0	4.7	32.7	321.3	321.8	0.1	20.3	26.7	8.
23.0	80.5	8252.1	325.0	-39.6	-49.9	188.1	29.3	4.1	29.0	322.0	322.0	99.9	999.9	34.2	8.
24.9	84.7	8763.6	300.0	-44.7	99.9	188.9	26.0	4.0	25.7	322.3	322.3	99.9	999.9	37.4	8.
26.8	89.0	9305.3	275.0	-48.2	99.9	198.6	37.5	12.0	35.5	325.4	325.4	99.9	999.9	38.7	9.
28.7	93.6	9893.0	250.0	-51.4	99.9	198.7	38.6	12.4	36.6	329.7	329.7	99.9	999.9	41.7	10.
31.0	98.4	10506.7	225.0	-53.6	99.9	197.4	32.1	9.6	30.6	336.5	336.5	99.9	999.9	46.5	11.
33.4	103.4	11196.1	200.0	-50.0	99.9	194.5	39.4	7.6	29.5	353.6	353.6	99.9	999.9	52.1	11.
36.2	109.0	11950.6	175.0	-49.7	99.9	200.1	39.1	13.4	36.7	367.9	367.9	99.9	999.9	58.4	12.
39.4	115.0	12827.0	150.0	-54.1	99.9	202.7	32.5	12.6	30.6	376.8	376.8	99.9	999.9	65.2	13.
42.8	121.7	13826.1	125.0	-51.2	99.9	207.5	28.3	13.1	25.1	366.9	366.9	99.9	999.9	71.5	14.
46.8	129.0	14992.4	100.0	-61.2	99.9	211.6	6.6	3.4	5.6	409.6	409.6	99.9	999.9	73.7	15.
51.1	136.8	16408.7	75.0	-60.8	99.0	14.3	10.0	-2.5	-9.7	445.4	445.4	99.9	999.9	76.0	14.
57.5	145.0	18198.5	50.0	-54.5	99.9	38.3	2.0	-1.3	-1.6	514.0	514.0	99.9	999.9	77.8	14.
65.5	154.0	20753.5	25.0	-49.1	99.9	138.0	14.0	-9.4	10.4	643.5	643.5	99.9	999.9	76.8	11.
77.8	164.0	25250.6													

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637
FLINT, MICHIGAN11 JUNE 1976
1115 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MK RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	8.6	236.0	979.3	21.1	17.3	250.0	5.2	4.9	1.8	256.0	329.6	12.8	79.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.2	8.9	278.2	975.0	20.5	16.6	265.1	10.6	10.6	0.2	255.0	329.0	12.3	78.3	0.2	50.
1.0	13.9	498.7	950.0	19.5	16.9	278.0	13.9	13.8	-2.1	257.0	330.9	12.9	85.3	0.6	93.
1.7	13.1	728.9	925.0	18.6	16.2	297.4	16.0	14.2	-7.4	298.3	331.8	12.7	86.0	1.3	98.
2.7	15.3	965.0	900.0	19.3	14.8	310.7	17.2	13.0	-11.2	301.4	337.5	13.5	85.6	2.2	111.
3.6	17.5	1208.0	875.0	18.2	14.7	307.9	15.6	12.4	-9.6	302.7	335.5	12.1	80.2	3.0	116.
4.5	19.8	1456.0	850.0	15.9	13.6	302.8	14.8	12.4	-8.0	302.8	334.4	11.7	86.3	3.9	118.
5.3	21.9	1709.8	825.0	14.1	12.5	303.6	14.6	12.2	-8.1	303.5	333.9	11.2	90.4	4.7	119.
6.5	24.4	1969.6	800.0	12.2	10.4	305.8	14.3	11.6	-6.4	304.2	331.6	10.9	88.6	5.6	120.
7.4	26.6	2236.0	775.0	11.1	7.5	305.8	14.1	11.9	-7.7	305.9	329.3	8.4	78.2	6.3	121.
8.3	29.1	2506.5	750.0	9.2	6.1	298.9	14.4	12.8	-6.5	306.6	324.8	7.9	80.5	7.2	121.
9.4	31.7	2793.5	725.0	7.5	4.5	298.6	13.1	11.9	-5.4	307.7	328.4	7.3	81.5	8.0	120.
10.4	34.3	3079.0	700.0	5.6	-0.7	303.0	11.7	9.8	-6.4	309.6	323.7	5.2	64.2	8.9	119.
11.4	36.8	3375.8	675.0	3.5	-5.2	318.8	9.7	6.4	-7.3	309.6	321.0	3.9	53.1	9.4	120.
12.5	39.5	3680.7	650.0	0.7	-4.2	321.0	11.0	6.9	-8.5	309.7	322.4	4.3	69.6	10.0	122.
13.6	42.0	3998.7	625.0	-1.5	-4.7	316.0	11.2	7.8	-8.1	310.8	323.5	4.3	78.6	10.8	123.
14.7	44.9	4315.0	600.0	-4.0	-7.4	311.0	11.9	9.0	-7.8	311.5	322.5	3.7	77.2	11.5	124.
15.9	47.8	4554.3	575.0	-5.8	-8.3	305.5	15.2	12.4	-8.4	313.2	323.9	3.6	83.0	12.4	124.
17.0	50.7	5003.1	550.0	-6.0	-14.0	310.9	17.6	13.3	-11.5	317.0	324.4	2.4	53.1	13.6	124.
18.2	53.8	5365.5	525.0	-8.9	-23.4	310.0	19.4	14.8	-12.4	317.7	321.3	1.1	29.8	14.8	125.
19.6	56.7	5742.0	500.0	-10.7	-18.9	307.3	19.9	13.5	-10.3	320.0	325.6	1.7	51.0	16.5	125.
20.9	60.0	6133.9	475.0	-14.4	-19.2	314.6	19.7	11.9	-11.7	320.1	325.8	1.8	66.6	17.6	126.
22.3	63.4	6543.1	450.0	-16.1	-29.4	320.8	20.5	13.0	-15.9	323.7	325.6	0.7	31.0	19.2	127.
23.8	66.7	6971.1	425.0	-19.4	-28.0	314.7	21.3	15.1	-15.0	324.1	327.1	0.9	46.5	21.1	128.
25.3	70.4	7418.3	400.0	-23.3	-28.3	317.3	26.3	12.4	-13.5	324.7	327.9	0.9	63.4	22.8	128.
26.9	78.0	7887.3	375.0	-26.6	-20.7	316.7	16.6	11.4	-12.1	326.5	329.4	0.9	74.2	24.5	129.
28.7	78.0	8382.1	350.0	-30.4	-33.4	313.5	16.1	11.7	-11.1	327.8	330.1	0.6	74.2	26.2	129.
30.4	82.0	8904.7	325.0	-34.8	-37.9	314.2	11.8	8.5	-8.2	329.8	330.3	0.4	72.5	27.6	129.
32.2	86.0	9458.4	300.0	-38.8	-46.4	328.7	9.6	5.0	-6.2	330.7	331.4	0.2	43.9	28.6	130.
34.1	90.7	10052.6	275.0	-42.3	-49.3	328.2	12.3	7.4	-9.8	333.9	333.9	99.9	999.9	29.9	131.
36.1	95.5	10691.2	250.0	-46.0	-50.9	328.2	17.5	10.3	-14.2	337.7	337.7	99.9	999.9	31.7	131.
38.4	100.4	11394.0	225.0	-51.6	-59.9	328.6	17.2	10.2	-13.8	339.4	339.4	99.9	999.9	34.3	132.
40.6	106.0	12139.0	200.0	-57.2	-69.9	325.2	21.5	12.3	-17.7	342.3	342.3	99.9	999.9	36.5	133.
43.2	111.8	12975.5	175.0	-59.2	-69.9	325.2	21.5	13.1	-12.1	342.3	342.3	99.9	999.9	39.4	134.
46.2	118.3	13945.2	150.0	-57.5	-69.9	298.9	16.2	14.7	-6.4	371.0	399.9	99.9	999.9	42.2	133.
49.8	125.5	15093.3	125.0	-57.7	-69.9	298.9	11.6	10.5	-5.0	370.6	399.9	99.9	999.9	45.2	132.
53.9	133.3	16486.4	100.0	-60.8	-69.9	303.2	10.5	8.4	-4.8	410.3	399.9	99.9	999.9	48.5	131.
59.0	141.5	18272.9	75.0	-60.4	-69.9	285.2	4.6	4.4	-1.2	466.4	399.9	99.9	999.9	50.5	131.
65.5	150.0	20816.8	50.0	-56.8	-69.9	7.8	4.7	-0.6	-4.6	509.6	399.9	99.9	999.9	51.3	131.
76.1	159.0	25308.3	25.0	-47.3	-69.9	56.2	6.1	-5.1	-3.4	645.7	399.9	99.9	999.9	50.1	133.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR * TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645
GREEN BAY, WISCONSIN11 JUNE 1976
1115 GMT

183 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	7.7	210.0	982.1	21.1	18.5	230.0	6.2	4.7	4.0	295.8	331.7	13.8	85.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.3	8.4	273.1	975.0	20.7	18.5	271.0	9.1	9.1	-0.2	296.0	332.3	13.9	86.9	0.3	62.
1.1	10.5	498.7	950.0	21.0	18.5	279.1	12.4	12.3	-2.0	298.5	336.0	14.3	86.3	0.6	79.
1.7	12.7	729.9	925.0	19.8	16.5	298.9	13.8	13.1	-4.5	299.6	333.9	12.9	81.4	1.1	91.
2.4	15.0	965.3	900.0	19.6	14.4	295.7	11.2	10.1	-4.8	301.7	333.0	11.6	72.0	1.6	99.
3.1	17.2	1209.4	875.0	19.2	12.3	295.4	7.5	6.8	-3.2	303.7	332.1	10.4	68.6	2.0	102.
3.9	19.6	1458.6	850.0	18.0	8.6	298.8	6.0	5.2	-2.9	305.0	329.2	9.3	54.4	2.3	104.
4.8	21.8	1714.2	825.0	18.1	-2.5	303.1	7.6	6.4	-4.2	307.8	319.4	4.0	25.3	2.7	106.
5.8	24.3	1976.4	800.0	15.9	-5.0	301.5	8.6	7.4	-4.5	309.1	317.6	3.3	23.3	3.1	109.
6.6	26.7	2244.8	775.0	13.8	-5.7	296.8	9.9	8.9	-4.5	308.7	316.3	3.2	25.3	3.5	110.
7.4	29.2	2519.7	750.0	11.4	-6.5	297.7	12.5	11.1	-5.8	309.0	318.4	3.1	27.9	4.1	111.
8.4	31.8	2801.7	725.0	9.1	-7.2	299.9	14.9	13.0	-7.4	309.5	318.7	3.1	30.8	4.9	112.
9.4	34.5	3091.3	700.0	7.0	-7.5	301.6	17.5	14.9	-9.2	310.2	319.6	3.1	34.8	5.8	113.
10.2	37.0	3388.9	675.0	4.2	-8.2	305.5	19.5	15.9	-11.3	310.4	319.6	3.1	39.9	6.7	115.
11.0	39.8	3694.7	650.0	1.3	-7.7	309.7	20.1	15.4	-12.8	310.5	320.4	3.4	51.0	7.7	116.
12.2	42.4	4009.8	625.0	-0.5	-7.9	309.5	19.9	15.3	-12.7	311.9	322.0	3.4	57.3	9.0	118.
13.2	45.4	4335.0	600.0	-2.6	-9.0	311.3	19.3	14.5	-12.7	313.1	323.0	3.2	61.4	10.3	120.
14.3	48.4	4671.5	575.0	-4.8	-12.3	314.6	16.3	11.6	-11.5	314.4	322.4	2.6	55.6	11.4	121.
15.5	51.3	5020.3	5.0.0	-6.1	-31.0	316.0	16.2	11.2	-11.6	316.9	319.4	0.7	16.7	12.5	123.
16.8	54.4	5382.6	525.0	-8.7	-55.4	315.8	18.0	13.1	-13.5	317.9	318.1	0.0	1.0	13.8	124.
17.9	57.5	5759.7	500.0	-11.1	-56.9	317.6	17.7	11.9	-13.0	319.5	319.6	0.0	1.0	15.2	125.
19.2	60.9	6150.5	475.0	-14.0	-58.8	322.2	16.5	10.1	-13.1	320.6	320.8	0.0	1.0	16.2	126.
20.4	64.3	6558.4	450.0	-17.2	-60.8	323.6	15.2	9.1	-12.3	321.6	321.7	0.0	1.0	17.4	127.
21.8	67.7	6984.4	425.0	-20.4	-43.4	320.7	18.2	11.5	-14.1	322.8	323.6	0.2	12.4	18.7	128.
23.2	71.1	7431.3	400.0	-23.1	-51.7	322.3	17.4	10.7	-13.8	324.9	325.2	0.1	5.3	20.3	129.
24.7	75.0	7900.3	375.0	-27.1	-49.2	328.6	16.4	8.5	-14.0	325.7	326.1	0.1	10.2	21.7	130.
26.5	79.0	8393.5	350.0	-30.3	-34.7	325.5	15.7	8.9	-12.9	327.9	329.9	0.6	65.2	23.2	132.
28.1	83.0	8916.9	325.0	-33.2	-38.1	311.4	15.7	11.8	-10.4	330.9	332.5	0.4	65.8	24.7	132.
30.0	87.2	9472.6	300.0	-38.5	99.9	308.9	20.4	15.9	-12.8	331.1	999.9	99.9	999.9	26.8	132.
31.7	91.7	10064.5	275.0	-43.2	99.9	310.2	22.4	17.1	-14.4	332.7	999.9	99.9	999.9	29.2	132.
33.8	96.4	10699.2	250.0	-48.5	99.9	308.6	23.4	18.3	-14.6	334.6	999.9	99.9	999.9	32.1	131.
36.2	101.2	11383.6	225.0	-54.2	99.9	311.4	21.1	15.8	-13.9	335.5	999.9	99.9	999.9	35.2	131.
39.0	107.0	12133.2	200.0	-56.2	99.9	301.9	18.3	15.6	-9.7	343.7	999.9	99.9	999.9	38.5	131.
41.4	112.8	12975.4	175.0	-59.1	99.9	304.2	16.9	13.9	-9.5	352.3	999.9	99.9	999.9	41.2	131.
44.0	119.3	13936.4	150.0	-61.9	99.9	304.2	16.9	16.5	-11.2	363.5	999.9	99.9	999.9	45.1	130.
48.5	126.7	15067.4	125.0	-59.7	99.9	293.4	14.5	13.3	-5.8	386.9	999.9	99.9	999.9	49.4	129.
52.0	135.0	16661.4	100.0	-62.3*	99.9	278.0	13.7	13.6	-1.9	407.3	999.9	99.9	999.9	52.0	128.
58.9	143.3	18251.8	75.0	-60.0	99.9	321.5	4.1	2.5	-3.2	447.1	999.9	99.9	999.9	54.8	128.
66.6	153.0	20806.4	50.0	-56.9	99.9	5.3	2.1	-0.2	-2.1	509.4	999.9	99.9	999.9	56.0	128.
79.4	163.5	25313.5	25.0	-46.2	99.9	51.8	6.8	-5.3	-4.2	652.1	999.9	99.9	999.9	54.1	132.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655
ST. CLOUD, MINNESOTA11 JUNE 1976
1106 GMT

160 13. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	E PWT T DG K	MX RTD CM/KG	PH PCT	RANGE KM	AZ DG
0.0	8.2	315.0	568.8	21.6	20.6	70.2	4.6	-4.3	-1.6	297.4	339.2	16.0	94.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
6.6	9.8	487.4	950.0	26.8	10.9	99.9	99.9	99.9	99.9	304.4	328.4	8.7	37.1	999.9	99.9
1.4	11.5	722.6	925.0	25.7	10.5	99.9	99.9	99.9	99.9	305.6	329.6	8.7	37.1	999.9	99.9
2.2	13.5	953.0	900.0	24.5	5.0	99.9	99.9	99.9	99.9	306.7	324.4	6.2	28.9	999.9	99.9
2.9	15.5	1209.0	875.0	23.4	-4.0	228.4	8.0	6.0	5.3	308.1	317.3	3.3	15.8	0.6	3.
3.5	17.5	1460.9	850.0	22.9	-4.5	241.0	12.9	11.3	6.2	310.2	314.9	3.2	15.6	0.9	22.
4.1	19.7	1719.6	825.0	20.8	-7.5	245.5	14.0	12.8	5.8	310.6	321.3	3.6	19.1	1.3	37.
4.8	21.6	1483.9	800.0	18.4	-4.6	244.6	13.9	12.8	5.5	310.7	320.9	3.4	20.6	1.8	46.
5.6	23.9	2254.5	775.0	16.3	-5.8	243.2	12.8	11.4	5.8	311.3	320.9	3.2	21.4	2.4	51.
6.3	25.9	2532.0	750.0	14.0	-5.4	240.8	12.2	10.6	5.9	311.8	322.0	3.4	25.4	3.0	53.
7.1	28.2	2816.2	725.0	11.2	-5.0	245.4	10.6	9.6	4.4	311.7	322.6	3.6	31.7	3.5	54.
8.0	30.5	3108.0	700.0	8.8	-5.3	259.3	8.2	8.1	1.5	312.2	323.3	3.7	36.4	4.0	56.
9.3	32.9	3407.5	675.0	6.2	-4.5	283.8	5.3	5.2	-1.3	312.6	324.7	4.1	46.3	4.5	60.
10.6	35.4	3715.4	650.0	3.3	-5.2	313.3	7.9	4.5	-4.2	312.7	324.7	4.0	53.5	4.7	64.
11.6	37.8	4032.6	625.0	1.4	-6.9	314.3	7.9	5.7	-5.5	314.0	325.0	3.6	53.9	4.8	69.
12.6	40.4	4358.8	600.0	-1.6	-8.1	314.8	7.8	5.5	-5.5	314.2	324.7	3.5	61.2	5.1	75.
13.6	42.9	4696.9	575.0	-5.0	-8.1	316.1	7.3	5.1	-5.3	314.1	325.0	3.6	78.8	5.3	78.
14.7	45.7	5045.4	550.0	-7.3	-10.4	355.2	6.0	3.0	-5.2	315.4	326.4	3.6	90.3	5.6	83.
16.1	48.6	5408.2	525.0	-10.3	-12.9	355.2	3.2	0.3	-3.2	316.1	326.2	3.3	98.7	5.6	86.
17.4	51.3	5790.7	500.0	-12.7	-12.9	1.2	3.6	-0.1	-3.6	317.6	326.4	2.8	98.0	5.6	92.
18.7	54.3	6171.0	475.0	-14.9	-10.2	357.2	1.6	0.1	-1.6	319.5	326.8	2.3	90.1	5.6	92.
20.0	57.3	6578.6	450.0	-17.5	-21.8	187.5	3.8	0.5	3.8	321.2	325.0	1.5	69.2	5.6	91.
21.2	60.4	7004.3	425.0	-20.8	-24.4	181.1	5.4	0.1	5.4	323.4	326.5	1.2	72.2	5.7	87.
22.5	63.8	7450.1	400.0	-23.8	-27.8	171.6	5.3	-0.8	5.2	324.1	327.4	1.0	68.9	5.7	83.
24.0	67.0	7918.4	375.0	-27.4	-32.1	175.3	6.8	-0.4	6.7	325.4	327.8	0.7	63.5	5.6	78.
25.6	70.6	8411.6	350.0	-31.2	-36.1	207.4	7.5	3.5	6.7	326.7	328.5	0.5	61.3	6.0	71.
27.2	74.3	8932.0	325.0	-35.7	-40.2	247.6	8.1	7.4	3.1	327.5	328.8	0.3	62.8	6.7	69.
29.0	78.3	9483.3	300.0	-40.0	99.9	260.9	9.4	9.3	1.5	329.0	999.9	99.9	99.9	7.5	70.
30.8	82.4	10071.2	275.0	-45.0	99.9	254.3	13.9	13.3	3.8	330.1	999.9	99.9	99.9	8.8	71.
32.7	86.8	10700.3	250.0	-50.6	99.9	246.5	17.6	17.6	0.5	330.9	999.9	99.9	99.9	10.5	72.
34.8	91.6	11378.5	225.0	-56.1	99.9	246.5	22.2	22.1	2.1	332.5	999.9	99.9	99.9	12.9	75.
37.1	96.6	12120.6	200.0	-58.2	99.9	267.4	26.2	26.1	1.2	333.7	999.9	99.9	99.9	16.2	77.
39.7	102.3	12965.0	175.0	-56.2	99.9	282.6	25.1	24.5	-5.5	337.1	999.9	99.9	99.9	23.2	81.
42.8	108.8	13534.5	150.0	-61.4	99.9	282.6	25.1	12.2	2.1	364.4	999.9	99.9	99.9	23.0	83.
46.8	115.8	15053.5	125.0	-63.9	99.9	286.5	18.5	17.8	-5.3	379.4	999.9	99.9	99.9	26.7	94.
50.7	124.3	16434.6	100.0	-63.0	99.9	286.5	18.5	10.1	1.7	406.1	999.9	99.9	99.9	26.5	87.
56.1	134.5	18224.3	75.0	-58.5	99.9	277.8	0.9	0.9	-0.1	448.2	999.9	99.9	99.9	31.2	84.
63.9	146.5	20775.9	50.0	-56.5	99.9	77.7	5.2	-5.1	-0.1	510.4	999.9	99.9	99.9	31.1	88.
75.4	160.5	25255.6	25.0	-47.8	99.9	88.7	5.9	-5.0	-0.1	647.3	999.9	99.9	99.9	24.8	91.

0 PV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 9V TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
RAPID CITY, SOUTH DAKOTA
11 JUNE 1976
101 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PM PCT	RANGE KM	AZ DG
0.0	15.4	966.0	893.0	16.7	10.1	190.0	5.2	0.9	5.1	299.4	323.0	8.7	65.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.7	16.9	1142.1	875.0	20.9	11.3	167.6	11.7	-2.5	11.4	303.5	332.3	9.7	54.1	0.4	357.
1.5	19.3	1392.7	850.0	19.2	10.0	164.4	12.6	-3.4	12.2	305.3	331.6	9.1	55.1	1.0	350.
2.5	21.5	1649.5	825.0	19.4	9.0	176.7	15.4	-0.9	15.4	309.1	333.9	8.8	51.0	1.8	350.
3.5	24.0	1914.5	800.0	18.7	7.5	190.1	15.5	0.0	15.5	311.1	334.5	8.2	48.3	2.8	353.
4.6	26.3	2187.0	775.0	18.1	6.2	174.2	13.8	-0.2	13.8	313.3	335.6	7.7	45.8	3.6	355.
5.5	28.8	2467.5	750.0	16.8	7.7	161.3	13.7	0.3	13.3	315.8	334.4	6.7	41.5	4.4	356.
6.5	31.3	2755.6	725.0	14.6	1.2	181.5	8.6	0.2	8.6	315.5	332.5	5.8	40.1	5.1	357.
7.5	34.0	3051.1	700.0	12.4	-0.4	150.7	8.3	-2.9	7.8	310.2	332.1	5.3	41.4	5.6	356.
8.5	36.5	3355.1	675.0	10.3	-2.1	144.6	10.7	-0.2	8.7	317.1	331.9	4.9	42.0	6.0	354.
9.5	39.3	3667.9	650.0	7.6	-4.0	144.8	11.5	-3.9	9.5	317.6	330.8	4.4	43.3	6.7	351.
10.7	41.9	3989.7	625.0	5.2	-6.3	160.1	11.5	-3.9	10.8	316.4	330.1	3.8	43.3	7.4	348.
11.7	44.8	4321.6	600.0	2.0	-8.5	181.1	9.5	0.2	9.5	310.5	328.8	3.3	45.3	8.1	346.
12.9	47.8	4663.4	575.0	-1.1	-10.5	197.5	9.4	2.8	8.9	310.7	328.1	3.0	48.8	8.7	350.
14.0	50.6	5016.5	550.0	-4.2	-12.3	207.1	9.8	4.5	8.7	319.2	327.7	2.7	53.0	9.2	352.
15.3	53.6	5391.5	525.0	-7.2	-14.6	211.4	11.9	6.2	10.1	319.8	326.2	2.0	46.9	9.9	355.
16.5	56.6	5759.3	500.0	-11.0	-18.5	209.2	12.4	6.1	10.8	319.6	325.3	1.8	53.8	10.7	358.
17.9	59.0	6150.7	475.0	-15.0	-19.8	210.9	13.0	6.7	11.2	319.4	325.3	1.8	72.4	11.6	1.
19.4	63.4	6556.8	450.0	-18.7	-20.7	215.1	12.0	7.6	9.3	319.7	325.9	0.8	41.4	12.5	4.
20.7	66.7	6961.4	425.0	-20.7	-36.0	214.4	11.9	6.7	9.8	322.5	323.9	0.4	23.8	13.3	6.
22.1	70.3	7426.3	400.0	-24.7	-37.9	216.4	12.0	7.1	9.6	322.9	324.2	0.4	27.9	14.2	8.
23.7	73.9	7892.9	375.0	-28.9	-41.5	213.9	14.8	8.2	12.3	323.4	324.4	0.3	28.0	15.2	10.
25.3	77.8	8381.6	350.0	-37.1	-44.3	216.4	17.7	9.0	15.3	324.2	324.9	0.2	31.2	16.7	12.
26.8	81.7	8898.6	325.0	-37.1	-44.5	209.9	20.8	10.4	19.0	325.6	326.2	0.1	28.8	18.4	14.
28.6	85.9	9446.5	300.0	-41.4	99.9	208.5	17.1	8.2	15.0	327.0	999.9	99.9	999.9	20.6	15.
30.8	90.4	10031.4	275.0	-45.8	99.9	217.5	14.7	8.9	11.7	323.9	999.9	99.9	999.9	22.4	17.
32.9	95.2	10660.6	250.0	-49.6	99.9	214.2	17.4	9.8	14.4	323.3	999.9	99.9	999.9	24.3	18.
34.9	100.0	11344.8	225.0	-53.2	99.9	224.6	22.5	15.8	16.0	337.1	999.9	99.9	999.9	26.4	20.
37.1	105.3	12102.1	200.0	-54.4	99.9	233.2	28.3	22.6	16.9	346.6	999.9	99.9	999.9	29.6	24.
39.6	111.0	12954.7	175.0	-56.3	99.9	219.3	28.1	18.4	22.5	357.0	999.9	99.9	999.9	33.6	26.
42.5	117.5	13933.5	150.0	-58.8	99.9	240.9	26.7	23.3	17.0	374.0	999.9	99.9	999.9	39.1	29.
45.7	125.0	15072.8	125.0	-63.2	99.9	245.5	13.2	12.4	4.6	380.5	999.9	99.9	999.9	41.2	32.
49.8	133.0	16454.2	100.0	-62.1	99.9	187.2	4.7	0.6	4.6	407.7	999.9	99.9	999.9	42.4	34.
55.0	141.7	18239.9	75.0	-60.1	99.9	290.3	1.6	1.5	-0.6	44.9	999.9	99.9	999.9	44.3	34.
62.1	151.3	20785.8	50.0	-57.0	99.9	92.8	4.8	-4.8	0.2	509.2	999.9	99.9	999.9	43.9	33.
73.4	161.7	25291.3	25.0	-50.4	99.9	116.0	4.7	-4.3	2.1	643.0	999.9	99.9	999.9	42.9	29.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 774
SAULT STE. MARIE, MICHIGAN

11 JUNE 1976
1110 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.8	221.0	976.6	15.6	12.2	300.0	5.7	4.9	-2.8	290.7	314.6	9.2	80.0	0.0	0.0
0.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
7.1	7.9	234.9	975.0	15.6	11.5	315.4	9.1	6.9	-5.9	290.8	313.7	8.8	76.7	0.3	75.0
0.9	10.0	456.1	950.0	18.0	13.0	305.4	11.2	9.1	-6.6	295.5	321.9	10.0	72.5	0.7	127.0
1.8	11.8	685.9	925.0	20.0	5.9	314.8	11.9	8.4	-8.4	299.8	317.2	6.3	39.6	1.3	126.0
2.7	14.0	921.5	906.0	18.9	3.1	317.2	14.1	10.3	-11.1	301.0	315.9	5.3	34.9	2.0	130.0
3.6	16.0	1162.0	875.0	18.0	1.7	312.3	16.7	12.4	-11.3	302.5	312.6	5.0	33.5	2.9	132.0
6.6	18.3	1410.0	850.0	15.8	4.6	306.0	18.6	15.0	-10.9	302.7	323.3	6.3	47.8	3.9	131.0
5.5	20.5	1642.7	825.0	13.6	4.6	304.7	18.4	15.1	-10.5	303.0	321.1	6.5	54.6	5.0	130.0
6.6	22.7	1921.0	800.0	11.8	-2.5	307.9	17.6	13.9	-10.8	303.7	315.2	4.0	37.0	6.1	129.0
7.6	25.1	2185.5	775.0	9.5	0.8	306.5	20.4	14.4	-12.2	304.0	318.9	5.2	54.6	7.3	128.0
8.6	27.4	2457.2	750.0	7.8	-0.2	300.9	21.0	14.0	-10.8	305.1	319.6	5.1	56.9	8.5	128.0
9.7	29.8	2715.8	725.0	6.0	-5.5	296.6	19.1	17.1	-8.6	306.0	316.4	3.5	43.5	9.9	127.0
10.9	32.4	3022.5	700.0	4.6	-12.0	292.1	18.2	16.9	-6.9	307.6	314.2	2.2	28.6	11.1	125.0
12.1	35.1	3317.5	675.0	2.1	-15.0	294.2	19.3	17.6	-7.9	308.0	313.5	1.8	26.8	12.5	124.0
13.3	37.4	3621.5	650.0	1.0	-27.1	297.2	18.9	16.8	-8.5	317.1	312.2	0.6	10.0	13.8	123.0
14.3	40.2	3935.2	625.0	-1.6	-26.3	300.0	18.3	15.9	-9.2	310.7	313.0	0.7	13.1	15.0	123.0
15.6	42.9	4256.6	600.0	-4.1	-25.6	297.0	18.0	16.1	-8.2	311.4	314.0	0.8	16.7	16.4	122.0
16.9	45.8	4592.5	575.0	-6.8	-30.7	297.8	17.8	15.7	-12.4	313.7	313.8	0.5	13.6	17.7	122.0
18.2	48.8	4936.1	550.0	-8.8	-41.6	306.7	20.9	16.4	-13.4	313.7	314.3	0.2	5.0	19.1	122.0
19.5	51.5	5297.3	525.0	-10.6	-46.1	308.3	20.9	16.4	-13.4	315.7	316.1	0.1	3.5	20.9	123.0
21.1	54.8	5670.6	500.0	-13.4	-43.2	306.2	23.3	18.0	-14.7	315.7	317.3	0.2	6.1	22.9	123.0
22.4	57.7	6059.7	475.0	-16.3	-27.3	310.2	23.4	18.0	-15.1	318.0	320.9	0.9	37.4	25.0	124.0
24.1	61.1	6466.1	450.0	-18.3	-32.6	315.7	25.2	17.6	-18.1	327.2	322.1	0.5	27.0	27.2	124.0
25.6	64.4	6887.8	425.0	-21.9	-37.3	317.2	24.4	16.6	-17.9	320.9	322.2	0.4	23.2	29.5	125.0
27.1	67.9	7330.8	400.0	-25.6	-42.1	316.5	23.1	15.9	-16.8	321.8	323.6	0.2	19.5	31.5	126.0
28.9	71.4	7765.1	375.0	-29.7	-46.6	316.1	25.1	17.4	-18.1	322.3	323.4	0.1	17.3	33.9	127.0
30.7	75.3	8282.9	350.0	-34.0	-49.3	316.8	26.0	17.8	-18.5	323.9	324.8	0.1	19.3	36.7	127.0
32.5	79.4	8797.5	325.0	-37.9	-52.5	314.7	27.2	18.7	-19.8	324.4	324.8	0.1	19.9	39.6	128.0
34.5	83.5	9345.0	300.0	-39.5	-55.5	308.9	33.5	28.8	-17.1	329.8	330.0	0.1	16.0	43.3	128.0
36.6	87.8	9937.3	275.0	-42.5	-59.9	299.6	36.4	31.6	-18.0	333.7	333.9	99.9	99.9	47.7	129.0
38.9	92.6	10578.1	250.0	-45.8	-59.9	291.3	34.4	32.0	-17.5	338.0	339.9	99.9	99.9	52.1	129.0
41.2	97.6	11271.9	225.0	-50.1	-59.9	302.4	40.6	34.3	-21.7	341.7	339.9	99.9	99.9	58.3	125.0
43.3	103.0	12035.6	200.0	-53.2	-59.9	299.5	25.4	22.1	-12.5	348.6	339.9	99.9	99.9	63.2	125.0
46.8	109.0	12993.3	175.0	-55.7	-59.9	293.6	25.6	23.5	-10.2	358.0	339.9	99.9	99.9	68.3	125.0
50.3	115.2	13866.3	150.0	-57.5	-59.9	285.3	25.4	24.5	-6.7	371.1	339.9	99.9	99.9	72.7	124.0
54.3	122.3	15020.5	125.0	-55.0	-59.9	286.8	18.3	17.5	-5.3	393.5	339.9	99.9	99.9	78.3	123.0
58.6	130.0	16446.5	100.0	-58.1	-59.9	290.1	10.9	9.5	-5.3	415.4	339.9	99.9	99.9	82.0	122.0
62.9	138.0	18250.0	75.0	-57.1	-59.9	286.6	5.2	5.0	-1.5	453.1	339.9	99.9	99.9	85.6	122.0
73.5	146.3	22519.6	50.0	-55.0	-59.9	2.7	5.2	-0.2	-5.2	513.9	339.9	99.9	99.9	87.9	122.0
85.8	155.0	25323.9	25.0	-47.8	-59.9	85.6	2.9	-2.8	-0.2	647.3	339.9	99.9	99.9	87.6	124.0

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
INTL. FALLS, MINNESOTA
11 JUNE 1976
1112 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE K	AZ DG
0.7	7.7	359.0	965.1	16.1	13.9	26.0	2.1	-2.1	-0.4	292.2	319.4	10.5	87.0	0.7	0.
99.9	99.9	99.9	1009.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	9.0	493.9	950.0	17.2	15.3	87.8	10.1	-10.0	-0.4	294.6	324.9	11.6	88.6	0.2	270.
1.2	10.6	722.0	925.0	17.3	11.0	92.6	7.9	-7.9	-0.4	297.0	321.0	9.9	66.6	0.6	259.
2.2	13.0	956.3	900.0	17.2	10.7	65.6	3.1	-2.8	-1.3	292.2	323.7	9.1	65.9	0.9	271.
2.9	15.2	1197.0	875.0	16.3	8.8	2.3	4.8	-0.2	-4.8	307.8	323.0	6.1	60.8	1.0	262.
7.9	17.3	1443.0	850.0	14.2	5.7	325.1	6.1	3.5	-5.0	301.2	320.2	6.9	56.6	1.0	242.
8.7	19.5	1695.2	825.0	14.2	-1.2	302.4	7.9	6.6	-4.3	303.6	315.8	4.3	34.6	0.9	223.
9.6	21.6	1954.1	800.0	12.6	-3.4	290.9	8.7	8.1	-7.1	304.6	315.4	3.7	32.7	0.9	195.
6.6	24.0	2219.3	775.0	10.6	-5.8	295.8	8.7	7.5	-4.3	305.2	315.6	3.2	30.9	1.1	166.
7.5	26.1	2492.0	750.0	9.8	-11.9	290.5	8.7	7.5	-4.3	307.2	317.5	2.0	20.2	1.5	154.
8.3	28.4	2772.7	725.0	8.1	-11.8	289.1	10.0	9.5	-3.3	308.4	314.9	2.1	22.8	1.9	143.
9.7	31.2	3061.4	700.0	6.9	-18.2	286.2	13.9	13.3	-3.9	310.1	314.3	1.3	14.7	2.6	133.
10.7	33.8	3358.9	675.0	4.6	-15.4	287.8	16.4	15.7	-5.0	311.9	315.1	1.7	21.8	3.5	126.
11.9	36.2	3655.1	650.0	2.5	-15.2	291.1	16.0	14.9	-5.8	312.9	317.4	1.8	25.9	4.7	127.
13.2	38.9	3980.6	625.0	0.4	-24.2	254.9	13.2	12.0	-5.6	314.6	317.2	0.9	13.7	5.9	120.
14.4	41.4	4306.9	600.0	-1.2	-26.3	304.2	10.7	8.9	-6.0	314.8	317.2	0.7	12.7	6.7	120.
15.7	44.2	4644.6	575.0	-3.5	-27.7	308.6	10.3	8.1	-6.4	315.9	318.1	0.7	13.2	7.4	121.
17.0	47.1	4994.1	550.0	-5.9	-29.7	298.6	10.6	5.3	-5.1	317.1	319.1	0.6	13.0	8.3	121.
18.4	50.1	5354.4	525.0	-8.4	-31.2	297.0	10.6	9.5	-4.8	319.4	320.7	0.5	14.1	10.0	121.
19.8	53.0	5732.7	500.0	-11.4	-33.4	304.1	10.5	8.7	-5.9	319.1	320.7	0.4	15.8	11.0	121.
21.3	56.0	6123.8	475.0	-14.5	-35.8	298.7	10.1	6.8	-5.0	320.0	321.5	0.4	18.9	11.9	121.
22.8	59.3	6530.9	450.0	-17.7	-38.6	307.7	11.3	9.0	-6.8	321.0	322.5	0.4	20.2	13.2	122.
24.5	62.8	6956.0	425.0	-20.9	-37.8	307.3	15.9	12.6	-5.6	322.2	323.4	0.3	20.2	14.6	122.
26.2	66.1	7401.4	400.0	-24.1	-41.6	295.9	14.8	12.3	-6.4	323.6	324.5	0.2	18.1	16.3	122.
27.8	69.9	7864.6	375.0	-27.8	-45.5	301.3	14.9	12.3	-7.7	324.8	325.5	0.2	18.4	18.3	121.
29.6	73.5	8360.1	350.0	-32.1	-47.5	304.5	15.2	12.5	-6.6	325.5	326.1	0.1	19.8	17.9	121.
31.4	77.7	8879.1	325.0	-36.0	-50.4	305.5	16.9	13.8	-5.8	327.1	327.5	0.1	20.7	19.9	122.
33.7	81.8	9430.0	300.0	-40.4	-52.9	301.2	19.1	15.4	-4.9	329.4	329.9	99.9	99.9	22.0	122.
35.9	86.2	10017.5	275.0	-45.1	-56.9	292.7	22.5	20.7	-6.7	329.9	329.9	99.9	99.9	24.9	121.
38.3	91.0	10647.1	250.0	-50.0	-59.9	292.8	21.3	18.6	-6.7	331.7	331.7	99.9	99.9	27.9	121.
41.0	96.0	11328.1	225.0	-55.4	-59.9	282.2	29.6	24.6	-6.3	331.6	331.6	99.9	99.9	31.7	118.
43.7	101.4	12071.4	200.0	-59.7	-59.9	270.4	37.5	37.5	-0.2	338.3	338.3	99.9	99.9	36.7	115.
46.8	107.5	12907.1	175.0	-56.1	-56.1	261.3	27.9	25.9	-10.4	357.4	357.4	99.9	99.9	42.6	113.
50.3	114.0	13680.4	150.0	-57.9	-57.9	254.3	18.3	16.4	-8.1	370.3	370.3	99.9	99.9	47.5	113.
54.3	121.3	15032.1	125.0	-57.1	-57.1	278.4	16.8	16.6	-2.5	391.6	391.6	99.9	99.9	51.4	112.
57.1	129.7	16441.1	100.0	-57.8	-57.8	303.4	11.7	9.7	-6.4	416.0	416.0	99.9	99.9	55.2	112.
65.1	131.3	18254.0	75.0	-57.2	-57.2	291.3	4.6	4.3	-1.7	453.0	453.0	99.9	99.9	57.8	113.
73.4	146.7	22842.2	50.0	-53.7	-53.7	284.4	3.4	-4.4	-3.1	517.1	517.1	99.9	99.9	57.5	114.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 764
BISMARCK, NORTH DAKOTA11 JUNE 1976
1100 GMT

155 16. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POY T DG K	E POT Y DG K	MX PTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	10.9	503.0	942.4	16.7	11.2	50.0	3.6	-3.6	0.0	294.8	318.5	8.9	70.0	0.0	0.0
00.9	00.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.9	00.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.9	00.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.5	12.5	653.2	925.0	19.3	10.3	155.5	11.4	-4.7	10.4	299.1	322.2	8.6	56.0	3.4	299.9
1.5	14.8	899.9	900.0	21.9	9.3	170.3	15.4	-2.7	15.2	304.1	326.9	8.2	44.6	1.1	325.0
2.3	16.9	1145.5	875.0	24.7	5.5	187.9	15.1	2.1	15.0	309.5	328.1	6.5	28.9	1.7	339.9
3.2	19.3	1398.9	850.0	23.3	3.4	200.7	17.1	6.0	14.0	310.6	327.3	5.8	27.2	2.4	351.0
4.0	21.5	1659.0	825.0	22.7	2.1	197.1	16.2	4.8	15.5	312.6	327.5	5.4	25.8	3.2	358.0
5.0	24.0	1925.7	800.0	20.8	0.9	191.4	13.1	2.6	12.8	313.4	329.5	5.1	26.5	4.0	3.0
5.9	26.3	2159.3	775.0	19.3	-0.6	191.3	13.4	2.6	13.2	314.6	328.7	4.7	26.1	4.8	3.0
7.1	28.8	2480.0	750.0	17.3	-2.3	191.1	16.0	3.1	15.7	315.3	329.3	4.3	26.1	5.8	5.0
8.1	31.5	2768.0	725.0	14.7	-3.2	185.2	15.4	2.5	15.2	315.6	329.3	4.2	26.8	6.7	5.0
9.3	34.2	3063.2	700.0	12.1	-2.1	185.3	15.6	1.4	15.6	315.9	330.0	4.7	37.2	7.8	6.0
10.2	36.8	3360.4	675.0	9.2	-1.6	182.2	15.4	0.6	15.4	314.0	331.1	5.1	46.5	8.7	6.0
11.4	39.6	3677.7	650.0	6.1	-2.8	181.9	13.1	0.4	13.1	315.9	330.3	4.8	47.6	9.7	5.0
12.4	42.2	3997.8	625.0	3.6	-5.3	185.0	13.2	1.0	11.1	316.4	329.1	4.1	52.3	10.5	5.0
13.4	45.1	4327.9	600.0	1.2	-9.2	154.1	7.9	1.9	7.7	317.5	327.3	3.2	45.5	11.1	5.0
14.5	48.3	4688.7	575.0	-1.8	-10.6	213.3	6.9	3.8	5.8	317.9	327.0	3.0	50.8	11.5	6.0
15.6	51.1	5070.3	550.0	-5.1	-10.0	200.3	8.5	7.4	4.2	319.1	329.1	3.2	68.1	11.9	7.0
16.8	54.4	5384.1	525.0	-8.7	-10.4	250.7	9.1	8.6	3.0	318.0	329.2	3.3	87.6	12.2	10.0
18.0	57.4	5760.5	500.0	-12.0	-14.6	257.5	8.1	7.9	1.7	318.4	326.2	2.5	91.1	12.5	13.0
19.3	60.9	6150.5	475.0	-17.3	-18.8	273.2	8.6	6.6	-0.5	319.0	324.5	1.8	74.7	12.7	15.0
20.8	64.4	6550.5	450.0	-19.7	-21.4	272.7	9.7	9.7	1.2	319.7	324.5	1.5	76.4	12.8	18.0
22.1	67.8	6940.3	425.0	-21.7	-23.6	244.1	9.7	8.7	4.2	321.2	325.6	1.3	84.5	13.4	22.0
23.8	71.3	7425.0	400.0	-23.9	-37.0	216.1	9.4	5.9	7.3	323.9	325.3	0.4	24.6	14.2	23.0
25.4	75.3	7892.9	375.0	-27.4	-30.6	210.8	10.4	5.3	6.9	325.3	326.4	0.3	27.1	15.1	24.0
26.9	79.3	8386.1	350.0	-31.0	-41.0	217.0	12.0	7.2	9.6	326.9	328.0	0.7	36.4	16.1	24.0
28.6	83.4	8907.7	325.0	-35.8	-47.6	225.5	13.4	10.6	8.1	327.4	329.0	0.2	28.2	17.3	26.0
30.4	87.7	9457.6	300.0	-40.7	-59.9	270.4	15.8	12.1	10.1	329.0	329.9	99.9	99.9	19.7	28.0
32.5	92.4	10043.6	275.0	-45.4	-69.9	226.8	19.3	14.1	12.2	329.4	329.9	99.9	99.9	20.6	30.0
34.4	97.2	10673.6	250.0	-49.5	-69.9	219.8	21.2	17.5	16.2	332.5	329.9	99.9	99.9	23.4	32.0
36.9	102.3	11358.6	225.0	-53.1	-69.9	223.1	18.6	12.7	13.6	337.1	329.9	99.9	99.9	25.9	33.0
39.7	109.0	12111.3	200.0	-56.3	-69.9	224.7	25.2	19.7	16.9	343.6	329.9	99.9	99.9	29.4	35.0
42.5	114.0	12959.8	175.0	-54.0	-69.9	249.1	21.9	20.4	7.8	363.8	329.9	99.9	99.9	33.4	37.0
45.8	120.3	13641.0	150.0	-58.3	-69.9	256.7	18.6	18.6	1.3	369.0	329.9	99.9	99.9	36.7	42.0
48.8	127.3	15087.8	125.0	-59.6	-69.9	256.7	22.2	21.8	4.0	367.2	329.9	99.9	99.9	40.4	45.0
50.3	135.3	16481.4	100.0	-59.1	-69.9	217.9	5.6	3.4	4.4	413.6	329.9	99.9	99.9	42.8	48.0
52.9	143.0	18280.7	75.0	-59.4	-69.9	99.3	2.0	-2.0	0.3	447.6	329.9	99.9	99.9	45.0	48.0
61.4	143.0	18280.7	50.0	-54.9	-69.9	54.6	2.1	-2.0	-1.5	514.2	329.9	99.9	99.9	45.2	48.0
69.1	151.3	20842.0	25.0	-54.9	-69.9	100.0	8.7	-8.6	1.5	646.9	329.9	99.9	99.9	41.0	45.0
82.3	160.5	25347.1	25.0	-48.0	-69.9	100.0	8.7	-8.6	1.5	646.9	329.9	99.9	99.9	41.0	45.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 768
GLASGOW, MONTANA

11 JUNE 1976
1103 GMT

TIME MIN	CMTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT Y DG K	E PCT Y DG K	MAX RTO GM/KG	PH PCT	RANGE KM	AZ DG	156	13.0	0
0.0	13.4	696.0	619.0	15.6	12.9	40.0	6.7	-4.3	-5.1	295.8	322.9	10.3	84.0	9.3	0.			
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
0.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
0.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
0.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			
0.5	15.1	875.0	900.0	-19.1	10.7	32.2	15.1	-8.0	-12.9	301.2	225.8	9.1	58.5	7.5	22.0			
1.3	17.3	1117.4	875.0	19.2	6.3	24.3	12.4	-5.5	-11.1	303.8	323.0	6.9	43.0	1.1	21.5			
1.9	19.7	1366.5	850.0	18.6	4.3	34.5	8.4	-0.5	-8.5	305.7	323.1	6.2	38.7	1.5	21.1			
2.5	21.9	1622.2	825.0	17.4	2.5	33.9	9.9	3.9	-8.0	307.0	323.0	5.6	38.8	1.8	20.2			
4.2	24.4	1864.0	800.0	15.0	1.7	31.9	8.6	4.0	-6.2	307.2	322.8	5.4	40.4	2.1	19.3			
5.1	26.7	2151.8	775.0	13.1	0.8	29.6	10.1	9.4	-4.1	307.9	323.0	5.2	43.0	2.2	18.3			
5.9	29.3	2424.8	750.0	11.7	-0.6	27.2	11.6	11.6	-0.4	309.3	323.5	4.9	42.5	2.4	17.0			
5.9	32.0	2709.4	725.0	10.3	-1.8	25.2	12.8	12.2	7.9	310.8	324.5	4.6	42.9	2.5	15.5			
6.9	34.7	3001.4	700.0	9.0	-2.9	24.0	13.4	11.7	6.5	312.4	325.5	4.4	43.2	2.6	13.9			
7.9	37.2	3301.6	675.0	6.7	-4.4	24.3	14.7	12.9	7.1	313.1	325.3	4.1	44.9	2.9	12.1			
8.9	40.1	3617.3	650.0	4.5	-6.3	24.3	16.7	15.0	7.4	314.1	325.2	3.7	45.0	3.4	10.9			
9.9	42.8	3928.5	625.0	2.2	-7.7	24.0	18.8	16.3	9.4	315.0	325.4	3.4	47.8	4.3	9.9			
11.0	45.9	4256.6	600.0	-0.4	-9.0	23.4	20.0	16.3	11.5	315.6	325.5	3.2	52.3	5.3	8.9			
12.1	48.8	4595.3	575.0	-3.7	-10.1	22.4	21.0	15.1	14.5	315.7	325.2	3.1	60.9	6.4	8.2			
13.2	51.6	4945.2	550.0	-6.5	-13.9	21.9	23.4	14.4	17.2	315.4	323.8	2.4	58.8	7.7	7.4			
14.3	54.9	5306.8	525.0	-9.7	-16.2	21.6	23.3	14.9	17.3	315.9	321.3	2.0	58.6	9.0	5.9			
15.4	57.9	5611.3	500.0	-12.7	-22.9	22.5	23.9	15.1	17.5	317.5	321.5	1.2	42.1	10.3	5.5			
16.5	61.3	6070.6	475.0	-15.7	-29.0	21.2	24.2	14.9	19.0	318.5	321.0	0.7	35.7	11.8	6.2			
17.5	64.8	6476.2	450.0	-18.7	-34.3	21.3	25.3	13.5	21.4	319.7	321.3	0.4	22.5	13.2	5.9			
18.6	68.1	6899.2	425.0	-22.4	-41.3	21.8	26.5	11.4	22.7	320.3	321.3	0.3	20.5	14.9	5.5			
20.2	71.7	7341.0	400.0	-26.4	-48.3	20.6	25.4	11.4	25.3	321.3	321.3	0.7	24.9	16.9	5.2			
21.7	75.5	7805.3	375.0	-29.1	-52.3	19.5	26.4	7.6	25.3	321.1	324.0	0.2	24.5	19.1	4.3			
23.5	79.7	8294.4	350.0	-32.9	-57.7	19.1	25.6	5.8	25.0	324.4	324.8	0.1	14.5	21.4	4.4			
25.5	83.6	8813.0	325.0	-35.9	-54.1	14.1	22.7	4.4	22.3	327.2	327.4	0.1	13.7	24.1	4.1			
27.5	87.8	9343.9	300.0	-40.4	-53.9	18.4	21.1	1.9	22.0	329.6	993.9	0.9	93.9	24.4	3.5			
29.5	92.4	9863.7	275.0	-44.3	-52.3	14.2	21.4	1.6	21.4	331.0	993.9	9.9	93.9	32.6	3.2			
31.5	97.2	10379.5	250.0	-50.5	-59.9	14.4	22.8	0.2	22.8	331.0	993.9	9.9	93.9	32.6	3.2			
33.6	102.3	11260.6	225.0	-54.8	-64.3	16.1	19.3	-4.2	18.9	334.5	993.9	9.9	93.9	32.6	2.9			
36.1	108.0	12006.3	200.0	-57.3	-69.9	18.4	24.9	2.3	24.9	342.0	993.9	9.9	93.9	32.6	2.6			
39.1	113.8	12845.0	175.0	-53.2	-61.0	22.5	25.4	16.9	15.0	362.0	993.9	9.9	99.9	39.5	2.6			
42.8	120.3	13874.5	150.0	-52.9	-60.9	21.5	19.5	11.4	15.8	374.9	993.9	9.9	99.9	44.0	2.6			
47.0	127.7	15037.5	125.0	-54.0	-64.3	25.4	12.2	11.7	3.4	397.2	993.9	9.9	99.9	47.7	2.9			
52.2	130.0	16454.8	100.0	-55.8	-69.9	18.4	6.9	7.4	6.9	419.9	993.9	9.9	99.9	49.6	3.1			
58.6	144.3	18273.8	75.0	-57.1	-69.9	14.7	3.5	-0.7	3.4	452.8	993.9	9.9	99.9	51.7	3.1			
67.4	157.7	20950.1	50.0	-52.0	-62.9	14.3	5.4	-3.5	-4.2	521.1	993.9	9.9	99.9	52.1	3.0			
83.9	163.7	23403.9	25.0	-46.3	-69.9	9.2	9.2	-1.2	0.3	652.1	993.9	9.9	99.9	49.6	2.5			

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

* BY END MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 775
GRAY FALLS, MONTANA11 JUNE 1976
1105 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX R ² O GM/KG	BH PCY	RANGE KM	AZ DG
0.0	17.3	1116.0	878.7	14.4	10.6	92.0	2.1	-2.1	-0.4	293.4	323.1	9.2	78.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	17.7	1153.6	875.0	13.8	99.9	94.5	1.7	-1.7	0.1	298.1	323.9	99.9	99.9	0.0	306.
0.8	20.2	1396.9	850.0	11.4	5.6	106.5	1.0	-1.0	0.3	298.1	316.5	6.8	67.5	0.1	289.
1.8	22.6	1645.9	825.0	9.5	4.7	116.1	0.7	-0.7	0.3	298.7	316.6	6.5	71.9	0.1	271.
2.7	25.2	1900.6	800.0	7.0	5.2	149.9	1.8	-0.9	1.5	253.6	317.6	7.0	84.3	0.2	283.
3.5	27.6	2161.4	775.0	5.2	1.4	217.7	3.5	2.1	2.8	293.4	318.1	6.8	94.8	0.2	311.
4.4	30.4	2429.1	750.0	3.6	2.9	216.4	4.9	2.9	4.0	303.5	317.9	6.3	95.0	0.4	360.
5.1	33.1	2704.3	725.0	2.4	1.7	226.0	4.7	3.3	3.4	303.1	318.8	6.0	95.4	0.5	15.
5.9	35.7	2987.7	700.0	0.9	0.3	200.3	3.3	1.1	3.1	303.5	319.4	5.6	95.8	0.7	21.
6.8	38.5	3276.8	675.0	-0.8	-1.4	214.7	3.2	1.8	2.6	304.8	319.5	5.1	95.7	0.8	21.
7.7	41.3	3580.9	650.0	-1.8	-2.7	234.6	3.8	3.1	2.2	306.9	323.9	4.9	93.9	1.1	15.
8.7	44.2	3892.5	625.0	-3.4	-5.1	249.0	3.5	3.2	1.2	309.5	323.8	4.2	88.3	1.2	33.
9.6	47.3	4214.6	600.0	-5.6	-7.1	217.9	2.5	1.6	2.0	309.7	323.8	3.7	88.5	1.4	36.
10.8	50.4	4547.6	575.0	-7.5	-9.2	155.3	4.7	-1.7	4.4	311.3	321.3	3.3	87.6	1.5	32.
11.9	53.4	4893.0	550.0	-9.3	-10.5	142.4	6.5	-4.0	5.2	313.0	322.5	3.1	91.0	1.8	19.
13.0	56.5	5251.4	525.0	-11.8	-13.8	131.2	7.0	-5.3	4.6	314.2	322.0	2.5	85.6	2.0	9.
14.3	60.0	5623.1	500.0	-14.9	-17.8	154.4	6.2	-2.7	5.6	314.9	320.9	1.9	78.3	2.4	38.
15.7	63.4	6009.3	475.0	-18.1	-19.7	168.2	6.4	-1.3	6.3	315.5	320.9	1.7	87.5	2.9	35.
17.4	66.7	6411.0	450.0	-20.9	-20.2	171.6	9.2	-1.3	9.1	317.0	319.5	0.7	46.9	3.7	35.
18.7	70.4	6830.9	425.0	-24.2	-30.3	168.6	12.4	-2.4	12.2	312.0	319.4	0.4	31.5	4.5	35.
20.4	74.1	7259.7	400.0	-28.1	-40.0	178.4	14.8	-0.4	14.8	318.4	319.5	0.3	30.6	5.9	35.
21.9	78.2	7729.6	375.0	-31.8	-45.5	155.3	11.4	3.0	11.7	319.6	321.2	0.2	23.2	7.3	35.
23.4	82.2	8214.4	350.0	-35.2	-51.1	185.7	4.1	1.0	6.0	321.3	321.5	0.0	6.6	6.0	35.
25.0	86.2	8726.1	325.0	-38.6	-56.9	147.3	2.6	-1.4	2.2	323.1	323.1	99.9	409.9	8.3	35.
26.7	90.8	9268.3	300.0	-42.2	-62.9	132.5	8.1	-0.0	5.5	323.0	323.0	99.9	99.9	1.7	35.
28.6	95.4	9846.0	275.0	-46.6	-68.9	127.5	10.9	-8.6	6.6	324.9	324.9	99.9	99.9	9.5	35.
30.6	100.3	10409.0	250.0	-51.8	-74.9	118.6	17.9	-15.7	8.4	324.1	324.1	99.9	99.9	10.8	34.
32.5	105.5	11145.7	225.0	-55.8	-78.9	132.7	10.4	-14.3	13.2	333.1	333.1	99.9	99.9	12.6	31.
34.9	111.2	11893.8	200.0	-59.2	-82.9	174.2	17.6	-17.8	17.5	343.0	343.0	99.9	99.9	14.9	31.
37.7	117.3	12752.2	175.0	-52.7	-74.9	194.4	16.2	4.6	15.6	363.0	363.0	99.9	99.9	17.7	34.
40.7	124.0	13750.4	150.0	-51.5	-68.9	200.8	15.8	5.6	14.8	381.3	381.3	99.9	99.9	20.3	34.
44.4	131.3	14930.4	125.0	-52.8	-68.9	204.9	16.5	7.2	14.8	392.4	392.4	99.9	99.9	22.5	35.
48.9	139.3	16367.4	100.0	-55.8	-68.9	193.2	3.9	0.9	3.8	420.0	420.0	99.9	99.9	24.6	35.
54.1	147.3	18174.4	75.0	-57.8	-68.9	186.6	6.7	1.0	6.6	451.7	451.7	99.9	99.9	26.1	35.
61.7	156.7	20753.9	50.0	-56.4	-68.9	118.9	4.8	-4.2	2.3	511.2	511.2	99.9	99.9	27.3	35.
73.6	166.3	25250.2	25.0	-48.9	-68.9	98.5	7.1	-7.2	1.1	644.5	644.5	99.9	99.9	28.1	35.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STAT CN NO. 11001
MARSHALL SFC. ALABAMA

11 JUNE 1976
1230 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEA PT DG C	DIR DG	SPEED K/SEC	U COMP W/SEC	V CCMP W/SEC	POT Y DG K	E PBT Y DG K	MX RTO GM/KG	RM PC*	RANGE KM	AZ DG
0.7	6.2	180.0	992.9	20.6	18.9	90.3	1.0	-1.7	0.0	294.4	370.6	14.0	90.0	0.0	0.0
99.9	99.9	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	4.4	338.1	975.0	22.4	15.5	233.4	0.6	0.5	0.4	297.7	328.1	11.5	65.0	0.0	258.0
1.8	10.5	564.7	950.0	22.4	14.4	206.1	2.4	1.1	2.2	299.9	329.3	11.0	60.7	0.1	4.0
2.8	12.6	7.4	925.0	20.9	13.2	212.4	2.5	1.4	2.1	303.7	328.8	10.4	61.3	0.2	26.0
3.8	15.0	1033.2	900.0	19.2	12.5	211.8	1.9	1.0	1.6	301.3	329.9	10.2	64.9	0.4	29.0
4.8	17.1	1275.0	875.0	17.2	11.1	206.5	1.4	0.7	1.2	301.6	327.6	9.5	67.3	0.5	29.0
5.9	19.5	1522.0	850.0	15.3*	9.9	212.9	0.5	0.4	0.5	302.1	326.9	9.1	70.2	0.5	30.0
7.0	21.7	1774.6	825.0	13.0	8.9	140.3	0.5	-0.2	0.5	302.3	326.3	8.7	76.4	0.6	29.0
8.1	24.2	2032.8	800.0	11.3	3.4	173.5	1.3	-0.1	1.3	303.2	329.4	8.2	58.4	0.6	28.0
9.3	26.5	2237.4	775.0	9.4	1.9	191.3	1.3	0.3	1.3	303.9	320.0	5.7	59.7	0.7	22.0
10.4	29.1	2568.5	750.0	7.5	1.1	171.7	1.1	-0.2	1.0	304.7	320.4	5.5	63.7	0.8	21.0
11.7	31.7	2847.2	725.0	5.8	-3.6	168.8	1.2	-0.2	1.2	305.8	317.6	4.1	51.0	0.8	17.0
13.1	34.4	3133.5	700.0	4.4	-8.6	164.3	0.9	0.2	0.9	307.4	316.0	2.9	38.7	1.0	15.0
14.4	36.9	3429.5	675.0	4.1	-19.2	270.2	1.4	1.4	-0.0	310.2	314.1	1.2	16.3	1.0	17.0
15.9	39.8	3735.3	650.0	2.6	-22.1	297.2	1.2	1.2	-0.4	311.9	315.2	1.3	14.1	1.0	25.0
17.2	42.4	4031.2	625.0	0.3	-18.6	320.2	0.6	0.4	-0.5	312.8	317.3	1.4	22.4	1.0	29.0
18.6	45.3	4376.8	600.0	-2.3	-21.2	326.6	0.9	0.3	-0.7	313.5	317.3	1.2	21.7	1.0	31.0
20.0	48.3	4713.4	575.0	-4.0	-23.4	277.6	1.1	1.1	-0.1	315.3	319.5	1.0	20.4	1.0	35.0
21.4	51.1	5053.1	550.0	-5.6	-24.7	285.0	0.7	0.7	-0.2	317.5	320.1	0.8	17.0	1.1	40.0
22.9	54.4	5426.5	525.0	-7.6	-31.0	268.4	1.1	1.0	-0.3	319.3	321.4	0.6	14.6	1.0	44.0
24.5	57.4	5804.4	500.0	-10.0	-32.0	264.3	2.8	2.8	0.3	320.9	322.6	0.5	14.5	1.1	49.0
26.1	60.7	6198.0	475.0	-12.6	-33.5	256.6	5.6	5.4	1.3	322.4	324.1	0.5	15.4	1.5	57.0
27.8	64.3	6608.7	450.0	-15.6	-33.6	251.7	7.6	7.2	2.4	323.7	325.4	0.5	19.4	2.2	62.0
29.6	67.6	7138.0	425.0	-18.4	-36.7	263.5	6.7	6.7	0.8	325.5	326.8	0.4	18.1	3.0	65.0
31.3	71.0	7488.2	400.0	-20.5	-39.2	262.3	7.4	7.3	-1.6	323.3	329.5	0.3	16.8	3.5	71.0
33.2	75.0	7967.5	375.0	-23.4	-31.1	281.9	9.9	9.7	-2.0	330.4	333.3	0.5	49.4	4.5	78.0
35.1	79.0	8484.0	350.0	-27.6	-37.0	274.8	10.8	10.8	-0.9	331.5	333.1	0.5	40.3	5.6	82.0
37.1	83.0	8992.0	325.0	-32.1	-38.3	270.9	11.0	11.0	-0.2	332.5	334.0	0.4	53.5	6.9	84.0
39.3	87.3	9552.5	300.0	-36.5	-43.7	282.9	10.1	9.9	-2.3	333.9	334.9	0.3	46.7	8.3	86.0
41.5	92.0	10149.5	275.0	-41.1	-49.9	240.5	11.3	11.1	-2.1	335.8	339.9	0.3	99.9	9.6	89.0
43.9	96.8	10789.4	250.0	-47.0	-59.9	248.8	10.2	0.2	0.2	336.2	339.9	0.3	99.9	11.1	89.0
46.3	101.9	11478.0	225.0	-53.1	-69.9	257.4	9.7	9.5	2.1	337.2	339.9	0.3	99.9	12.5	88.0
48.9	107.5	12229.8	200.0	-56.7	-99.9	255.4	13.6	13.2	3.1	347.0	357.9	0.3	99.9	13.9	88.0
51.8	113.5	13071.5	175.0	-59.1	-99.9	273.5	15.6	15.5	-1.0	352.5	359.9	0.3	99.9	16.8	87.0
55.0	120.0	14032.4	150.0	-60.2	-99.9	273.1	13.6	13.6	-0.7	366.3	369.9	0.3	99.9	19.6	86.0
58.8	127.5	15162.2	125.0	-63.2	-99.9	260.6	9.1	9.1	0.1	380.7	399.9	0.3	99.9	22.2	86.0
62.9	135.5	16523.4	100.0	-66.4	-99.9	282.4	6.1	5.9	-1.3	399.5	399.9	0.3	99.9	23.8	90.0
68.0	143.3	18274.4	75.0	-64.2	-99.9	300.8	5.0	4.3	-2.5	438.4	499.9	0.3	99.9	25.5	91.0
75.1	152.0	20792.2	50.0	-58.1	-99.9	337.8	3.5	1.3	-3.3	506.7	599.9	0.3	99.9	26.1	94.0
86.7	161.3	25244.8	25.0	-48.7	-99.9	350.5	6.1	1.0	-6.0	645.1	999.9	0.3	99.9	26.6	102.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 77001
UNIV. OF TENNESSEE11 JUNE 1976
1125 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCY	RANGE KM	AZ DG
0.3	7.1	300.0	979.0	16.9	15.1	0.3	0.0	0.0	0.0	281.8	322.4	11.9	95.0	3.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.1	7.4	335.4	975.0	18.2	16.1	251.2	1.2	1.1	0.4	293.5	324.9	11.9	87.9	3.0	12.
1.0	9.4	560.3	950.0	21.3	14.8	265.9	3.4	3.4	0.3	292.9	323.9	11.2	66.6	0.2	51.
1.9	11.2	731.8	925.0	20.9	11.7	292.0	3.5	3.3	-1.3	300.7	326.2	9.4	55.5	0.4	76.
2.7	13.2	1029.4	900.0	19.1	10.6	293.2	3.7	3.4	-1.5	301.2	325.7	9.0	57.8	0.5	87.
3.5	15.2	1270.1	875.0	17.0	10.0	292.7	3.3	3.0	-1.3	301.4	325.6	9.9	63.5	0.7	95.
4.4	17.1	1516.7	850.0	14.8	9.2	287.8	3.0	2.8	-0.9	301.7	325.4	8.7	69.2	0.8	98.
5.3	19.3	1768.8	825.0	12.3	8.5	282.1	2.5	2.5	-0.5	301.6	324.9	8.5	77.8	1.0	99.
6.3	21.3	2076.3	800.0	10.4	4.0	282.1	2.9	2.8	-0.6	302.3	320.1	6.4	84.6	1.1	99.
7.2	23.5	2290.4	775.0	9.0	1.4	281.1	2.3	2.3	-0.5	303.5	317.1	5.5	89.1	1.3	102.
8.1	25.6	2561.2	750.0	6.7	-1.0	269.0	2.5	2.5	-0.7	303.9	317.5	4.8	57.9	1.4	99.
9.2	27.9	2836.7	725.0	4.8	-3.3	265.3	3.0	3.0	0.0	304.7	316.6	4.1	55.5	1.6	97.
10.3	30.4	3124.1	700.0	3.1	-10.0	300.2	2.9	2.5	-1.5	306.0	313.6	2.6	37.5	1.8	97.
11.4	32.9	3418.5	675.0	3.5	-29.4	331.5	3.5	1.7	-3.1	309.5	311.2	0.5	6.8	1.9	102.
12.5	35.3	3723.9	650.0	2.2	-30.1	337.4	2.5	0.7	-2.3	311.5	313.1	0.5	6.9	2.1	107.
13.6	37.9	4038.9	625.0	-0.3	-21.7	335.8	1.7	0.7	-1.6	312.1	315.6	1.1	18.0	2.2	112.
14.7	40.5	4363.7	600.0	-3.2	-21.2	330.9	2.1	1.0	-1.4	312.5	316.2	1.2	23.3	2.2	112.
15.8	43.1	4699.1	575.0	-4.8	-27.9	326.7	3.8	1.5	-3.5	314.3	316.6	0.7	14.7	2.4	115.
17.0	46.0	5033.0	550.0	-5.9	-29.3	346.5	3.4	0.8	-3.3	317.1	319.2	0.6	13.6	2.6	119.
18.3	49.1	5410.7	525.0	-8.2	-32.2	340.7	4.4	1.5	-4.1	318.5	320.2	0.5	12.4	2.9	123.
19.6	52.0	5757.3	500.0	-11.2	-34.3	336.9	4.9	1.9	-4.5	319.4	322.9	0.4	12.7	3.1	127.
20.9	55.1	6178.8	475.0	-13.9	-36.4	353.2	4.8	0.6	-4.7	320.7	322.9	0.4	12.8	3.4	131.
22.3	58.3	6587.7	450.0	-16.3	-40.1	363.4	5.8	0.7	-5.8	322.7	323.7	0.1	10.7	3.8	135.
23.9	61.9	7015.1	425.0	-19.0	-40.4	354.5	7.5	0.7	-7.5	324.6	325.5	0.3	59.6	4.2	140.
25.4	65.4	7464.6	400.0	-21.4	-27.2	6.7	10.1	-1.1	-10.1	327.2	330.7	1.0	59.6	4.9	147.
27.0	69.1	7937.5	375.0	-24.4	-33.4	0.4	11.8	-0.1	-11.8	329.3	331.5	0.6	42.6	5.8	153.
28.7	73.0	8434.7	350.0	-28.2	-37.5	0.7	10.7	-0.1	-10.7	330.7	332.3	0.4	40.4	6.8	153.
30.4	77.2	8964.4	325.0	-32.2	-42.2	358.9	11.5	0.2	-11.4	332.3	333.3	0.3	26.0	7.8	161.
32.1	81.4	9523.8	300.0	-36.5	-46.3	357.2	15.1	0.7	-15.1	333.9	334.6	0.2	35.3	9.1	163.
34.1	86.3	10120.4	275.0	-41.4	99.9	3.2	15.7	-0.0	-15.7	335.3	339.9	99.9	99.9	11.0	164.
36.4	91.2	10759.4	250.0	-47.1	99.9	351.3	16.5	2.5	-16.3	336.1	339.9	99.9	99.9	13.2	168.
38.6	96.4	11449.0	225.0	-52.7	99.9	350.7	16.5	2.7	-16.3	337.7	339.9	99.9	99.9	15.3	168.
40.9	102.0	12157.9	200.0	-59.2	99.9	352.7	17.8	1.5	-11.7	339.1	339.9	99.9	99.9	17.4	169.
43.6	108.5	13032.5	175.0	-59.4	99.9	354.6	22.6	2.1	-22.5	351.6	339.9	99.9	99.9	20.1	168.
46.6	115.3	13992.5	150.0	-59.3	99.9	0.6	18.6	-0.2	-18.6	367.9	339.9	99.9	99.9	23.9	170.
50.2	123.0	15129.7	125.0	-61.8	99.9	350.2	10.8	1.9	-10.7	383.1	339.9	99.9	99.9	27.0	171.
54.4	131.0	16458.8	100.0	-65.5	99.9	348.7	7.4	1.5	-7.2	401.1	339.9	99.9	99.9	29.4	171.
59.0	139.7	18254.2	75.0	-63.9	99.9	29.4	6.0	-3.0	-5.2	438.9	339.9	99.9	99.9	31.5	172.
66.9	148.5	20777.7	50.0	-57.7	99.9	108.6	4.1	-3.9	1.3	507.5	339.9	99.9	99.9	32.1	176.
78.2	158.0	25260.2	25.0	-48.8	99.9	50.1	9.8	-8.8	0.0	644.4	339.9	99.9	99.9	32.6	184.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

11 June 1976

1500 GMT

STATION NO. 349
MONETT, MISSOURI

11 JUNE 1976
1440 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	F POT Y DG K	MX PTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.8	438.0	962.8	23.7	16.5	210.0	4.1	2.0	3.6	300.1	333.1	12.4	64.0	7.0	2.
00.9	99.9	99.9	1030.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
01.8	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
04.4	9.0	555.1	950.0	22.3	15.5	215.9	6.8	4.0	5.5	299.8	331.3	11.8	65.7	0.2	45.
1.2	11.6	786.6	925.0	20.1	13.6	228.3	9.0	6.7	4.0	299.8	328.4	10.7	66.3	0.6	43.
2.1	13.7	1023.1	900.0	19.4	12.2	230.8	12.1	9.4	7.6	301.5	326.7	10.2	63.2	1.1	47.
2.9	15.6	1265.3	875.0	17.6	11.6	230.5	9.7	7.5	6.2	302.1	329.1	9.9	67.9	1.7	49.
3.8	17.7	1513.1	853.0	16.4	10.6	231.4	8.0	6.3	5.0	303.4	329.4	9.5	58.2	2.2	49.
4.6	19.8	1767.0	825.0	15.4	6.6	183.2	3.9	0.2	3.9	304.9	325.7	7.5	55.8	2.4	48.
5.4	21.8	2029.6	800.0	17.4	4.7	152.6	5.2	-2.4	4.6	309.7	329.1	6.8	43.3	2.5	43.
6.2	24.1	2300.0	775.0	15.5	2.0	153.2	3.1	-1.5	2.7	310.5	327.3	5.8	40.3	2.6	39.
7.2	26.2	2577.8	750.0	13.5	6.3	175.7	2.6	-0.2	2.6	311.2	334.1	8.0	61.8	2.7	36.
8.0	28.5	2862.7	725.0	11.2	4.5	200.5	1.8	0.6	1.7	311.8	332.9	7.3	63.2	2.8	35.
9.0	30.9	3155.0	700.0	8.8	3.8	262.5	2.4	2.3	0.3	312.3	333.2	7.2	70.8	2.9	35.
10.0	33.4	3455.6	675.0	6.6	3.3	301.1	3.1	2.7	-1.6	313.1	334.0	7.2	70.2	3.0	39.
11.0	35.7	3765.1	650.0	4.7	1.1	307.9	4.5	3.5	-2.7	314.3	333.1	6.4	76.9	2.9	43.
12.0	38.3	4084.4	625.0	2.9	-3.5	304.9	6.0	4.9	-3.4	315.7	330.0	4.8	63.1	3.0	49.
13.1	40.8	4414.3	600.0	1.0	-6.3	320.0	6.2	4.0	-4.8	317.3	329.5	4.0	57.8	3.1	57.
14.4	43.4	4755.1	575.0	-1.3	-12.4	316.6	7.3	5.0	-5.3	318.4	326.9	2.7	45.1	3.2	66.
15.5	46.3	5108.4	550.0	-3.1	-17.0	310.4	10.0	8.6	-6.5	320.4	325.3	1.8	33.3	3.4	74.
16.6	49.2	5474.6	525.0	-6.0	-12.7	318.3	13.0	8.6	-9.7	321.2	329.9	2.8	59.3	3.9	84.
17.9	52.0	5855.3	500.0	-8.0	-14.6	322.7	11.8	7.2	-9.4	323.3	331.2	2.5	59.0	4.5	95.
19.2	55.1	6252.1	475.0	-10.4	-16.6	328.3	9.7	5.1	-8.2	325.1	332.2	2.2	60.2	5.1	103.
20.5	58.0	6666.9	450.0	-12.0	-25.0	321.3	8.3	5.2	-6.4	328.1	331.9	1.1	32.8	5.6	108.
22.1	61.4	7101.8	425.0	-15.2	-25.3	299.7	7.8	6.8	-3.9	329.4	333.4	1.1	41.8	6.2	109.
23.7	65.0	7556.7	400.0	-18.5	-37.6	306.0	11.5	9.3	-6.8	330.9	332.3	0.4	18.6	7.2	112.
25.3	69.4	8034.9	375.0	-21.9	-38.9	288.4	14.5	13.8	-4.6	332.6	333.9	0.3	18.6	8.4	112.
26.7	71.9	8539.4	350.0	-25.0	-44.2	300.2	15.2	13.1	-7.7	335.1	335.9	0.2	18.6	9.7	112.
28.3	75.9	9073.9	325.0	-29.3	-46.8	309.3	20.2	15.6	-12.8	336.3	337.0	0.2	18.3	11.3	114.
30.3	80.1	9460.1	300.0	-34.1	-50.2	310.5	25.4	19.2	-16.5	337.4	337.9	0.1	17.6	14.0	117.
32.2	84.4	10243.0	275.0	-39.3	-59.9	310.4	29.1	22.2	-18.9	338.3	338.3	99.9	99.9	16.9	120.
34.3	89.0	10888.2	250.0	-44.4	-64.4	309.2	32.5	25.2	-20.5	340.1	339.9	99.9	99.9	20.7	122.
36.8	94.0	11585.3	225.0	-50.0	-69.9	302.9	34.1	28.6	-18.5	341.9	339.9	99.9	99.9	25.9	122.
39.4	99.4	12351.6	200.0	-53.1	-74.9	304.4	32.7	27.0	-18.5	348.7	339.9	99.9	99.9	31.0	123.
42.1	105.3	13200.5	175.0	-58.9	-79.9	302.2	30.6	25.9	-16.3	352.7	339.9	99.9	99.9	36.6	123.
45.3	112.0	14158.3	150.0	-61.6	-84.9	288.0	31.1	29.6	-9.6	364.0	339.9	99.9	99.9	42.0	121.
48.6	119.7	15273.6	125.0	-66.6	-89.9	304.5	15.7	13.0	-8.9	374.4	339.9	99.9	99.9	47.3	121.
52.5	128.7	16613.4	100.0	-67.6	-99.9	322.0	8.3	5.1	-6.5	397.2	339.9	99.9	99.9	49.7	121.
57.9	139.0	18352.6	75.0	-64.2	-99.9	145.2	1.4	0.1	1.3	438.2	339.9	99.9	99.9	50.6	121.
64.7	149.7	20853.8	50.0	-56.4	-99.9	87.5	5.3	-5.3	-0.2	510.2	339.9	99.9	99.9	48.8	121.
78.6	141.0	25363.3	25.0	-46.8	-99.9	70.6	6.6	-6.2	-2.2	650.0	339.9	99.9	99.9	46.1	124.

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 425
DAYTON, OHIO

11 JUNE 1976
1400 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DC
0.0	8.0	298.0	978.3	22.1	18.1	190.3	2.6	0.5	2.6	297.1	332.5	13.5	78.0	0.0	0.0
0.1	99.9	327.5	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	8.3	327.5	975.0	21.9	17.0	999.9	99.9	99.9	99.9	99.9	330.6	12.7	73.9	999.9	999.9
0.3	10.3	553.1	950.0	20.8	13.5	999.9	99.9	99.9	99.9	298.3	325.8	10.3	62.7	999.9	999.9
0.4	12.3	784.0	925.0	20.8	13.2	999.9	99.9	99.9	99.9	300.6	329.7	10.4	61.8	999.9	999.9
1.6	14.4	1020.9	900.0	19.5	12.2	281.5	12.3	12.0	-2.4	301.6	328.7	10.0	62.7	1.5	80.0
3.2	16.4	1263.0	875.0	17.6	10.7	263.6	11.5	11.5	0.1	302.1	327.5	9.3	64.2	2.0	85.0
4.2	18.5	1510.3	850.0	15.6	8.7	272.6	10.6	10.6	-0.5	302.5	325.4	8.4	63.6	2.6	86.0
4.9	20.7	1762.9	825.0	13.0	7.3	276.9	10.5	10.4	-1.3	302.3	323.9	7.8	68.6	3.1	88.0
5.8	23.0	2020.8	800.0	10.9	7.0	274.7	9.7	9.7	-1.0	302.8	324.6	7.9	77.1	3.6	89.0
6.6	25.3	2285.6	775.0	9.4	5.7	283.7	10.3	10.0	-2.4	303.9	324.6	7.4	77.5	4.1	90.0
7.5	27.5	2557.3	750.0	7.6	4.3	303.2	10.6	8.8	-5.8	304.8	324.3	7.0	79.5	4.7	92.0
8.3	30.0	2836.2	725.0	6.1	2.0	321.9	12.2	7.5	-9.6	306.2	323.6	6.1	74.6	5.1	96.0
9.2	32.5	3123.8	700.0	4.5	1.4	335.5	13.1	5.4	-11.9	307.5	324.9	6.1	80.4	5.5	103.0
10.2	35.1	3419.3	675.0	2.4	-0.4	335.2	11.9	5.0	-10.8	308.3	324.2	5.5	81.9	6.0	109.0
11.2	37.5	3724.4	650.0	1.1	-2.0	333.0	11.9	5.4	-10.6	310.3	325.2	5.1	79.8	6.5	114.0
12.2	40.2	4039.5	625.0	-0.5	-4.0	326.6	10.5	5.8	-8.8	311.9	325.4	4.6	76.9	7.0	116.0
13.2	42.8	4365.4	600.0	-2.3	-6.3	327.4	9.0	4.9	-7.6	313.4	325.4	4.0	74.3	7.6	119.0
14.4	45.6	4702.3	575.0	-4.8	-8.3	335.8	7.9	3.2	-7.2	314.4	325.2	3.6	76.7	8.1	121.0
15.5	48.5	5051.0	550.0	-6.5	-10.2	341.0	6.7	2.2	-6.3	316.3	326.2	3.2	75.7	8.5	123.0
16.5	51.3	5414.4	525.0	-7.5	-12.2	347.5	7.3	1.6	-7.2	319.5	324.6	1.6	74.3	9.2	124.0
17.8	54.4	5793.0	500.0	-9.6	-13.8	348.8	10.5	2.0	-10.3	321.4	325.2	1.1	70.8	9.3	126.0
19.2	57.3	6187.0	475.0	-12.7	-17.7	345.9	13.2	3.2	-12.8	322.2	323.4	0.3	10.2	10.0	131.0
20.5	60.6	6596.9	450.0	-16.1	-19.4	349.3	13.7	2.5	-13.5	323.0	324.0	0.3	11.3	11.0	135.0
21.9	64.0	7024.3	425.0	-19.3	-20.2	346.9	12.4	2.8	-12.1	324.2	325.2	0.3	13.7	11.9	137.0
23.4	67.3	7473.1	400.0	-22.1	-23.7	348.1	13.0	2.7	-12.8	326.2	327.0	0.2	12.0	12.9	140.0
25.0	70.8	7944.0	375.0	-26.3	-28.3	340.4	11.0	3.7	-10.3	326.9	327.5	0.2	14.5	14.0	142.0
26.4	74.5	8439.2	350.0	-30.0	-32.0	331.9	7.9	3.7	-7.0	328.7	328.4	0.1	15.3	14.7	143.0
28.1	78.5	8963.8	325.0	-33.3	-35.7	320.8	9.2	5.8	-7.1	330.9	331.2	0.1	13.6	15.5	143.0
30.0	82.4	9520.8	300.0	-37.5	-39.8	293.6	13.6	12.5	-5.5	332.6	332.9	0.1	16.0	16.8	142.0
32.0	86.7	10116.6	275.0	-41.4	-43.9	302.9	10.5	8.8	-5.7	335.3	333.9	99.9	99.9	14.0	139.0
34.0	91.4	10757.0	250.0	-46.3	-49.9	308.3	9.6	7.5	-5.9	337.2	333.9	99.9	99.9	19.2	139.0
36.0	96.2	11447.8	225.0	-51.9	-54.9	109.7	11.9	9.2	-7.6	338.9	333.9	99.9	99.9	27.4	138.0
38.2	101.3	12204.5	200.0	-54.2	-57.2	321.2	17.1	10.7	-13.4	346.9	333.9	99.9	99.9	22.3	138.0
41.0	107.3	13052.3	175.0	-57.7	-60.7	324.5	17.8	9.0	-15.3	354.7	333.9	99.9	99.9	25.6	139.0
43.9	113.5	14015.6	150.0	-61.8	-64.8	321.2	11.7	7.3	-9.1	363.7	333.9	99.9	99.9	28.1	140.0
47.4	120.7	15149.2	125.0	-59.2	-62.2	320.7	10.4	6.6	-8.1	367.7	333.9	99.9	99.9	30.8	139.0
51.8	128.7	16335.3	100.0	-63.3	-66.3	317.9	7.3	4.9	-5.4	405.4	333.9	99.9	99.9	32.9	140.0
57.1	137.7	18306.1	75.0	-62.9	-65.9	306.4	4.4	3.6	-2.6	441.1	333.9	99.9	99.9	35.3	139.0
64.5	147.3	20846.6	50.0	-54.4	-57.4	99.9	5.6	-5.6	-0.2	515.3	333.9	99.9	99.9	35.1	141.0
75.1	157.5	25345.3	25.0	-46.0	-49.0	88.3	7.5	-7.5	-0.2	652.6	333.9	99.9	99.9	33.1	147.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 433
SALEM, ILLINOIS11 JUNE 1976
1400 GMT

159 15. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.6	175.0	901.6	25.1	15.7	260.0	5.2	5.1	0.9	299.0	329.4	11.4	56.0	0.0	0.
0.9	99.9	1000.0	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	8.0	323.3	975.0	23.6	16.0	999.9	99.9	99.9	99.9	298.9	330.4	11.8	62.3	999.9	99.9
1.4	10.1	550.4	950.0	23.2	14.4	999.9	99.9	99.9	99.9	300.8	330.2	10.9	57.6	999.9	99.9
2.3	12.2	783.3	925.0	22.4	13.5	260.5	6.6	6.5	1.1	302.2	331.0	10.6	57.4	0.6	77.
3.1	14.4	1021.3	900.0	20.4	12.7	262.5	7.5	7.5	1.0	302.5	330.7	10.4	61.5	1.1	78.
4.0	16.4	1268.1	875.0	18.2	11.9	256.4	6.8	6.6	1.6	302.7	330.2	10.1	66.9	1.5	79.
5.0	18.7	1512.0	850.0	15.9	12.4	244.7	6.8	6.2	2.9	302.8	332.0	10.7	70.9	1.9	77.
5.9	20.8	1765.3	825.0	13.0	1.2	266.7	4.3	4.3	0.2	304.5	319.1	5.1	30.6	2.3	76.
6.9	23.2	2025.8	800.0	14.0	4.5	310.3	2.1	1.6	-1.4	306.1	324.9	6.7	52.9	2.4	78.
7.5	25.5	2292.9	775.0	11.7	5.3	2.7	2.7	-0.1	-2.7	306.4	326.8	7.2	64.6	2.4	81.
8.8	27.9	2567.0	750.0	10.5	3.4	37.1	3.7	-2.3	-3.0	308.0	326.7	6.6	61.5	2.3	86.
9.9	30.4	2949.0	725.0	8.8	1.4	55.9	3.4	-2.8	-1.9	309.1	326.0	5.9	59.7	2.1	89.
10.9	33.0	3138.6	700.0	7.0	-0.5	54.5	3.9	-3.2	-3.3	310.2	325.7	5.3	59.1	2.0	92.
11.9	35.5	3437.2	675.0	5.1	-1.8	44.7	4.6	-3.2	-3.3	311.4	326.1	5.0	60.8	1.7	95.
13.1	38.1	3744.3	650.0	2.8	-3.8	32.4	3.9	-2.1	-3.3	312.1	323.6	3.8	53.2	1.6	108.
14.2	40.7	4061.3	625.0	1.5	-6.4	34.0	4.7	1.1	-6.6	314.2	324.1	3.3	47.6	1.6	116.
15.4	43.5	4389.0	600.0	-0.5	-18.0	338.0	5.8	2.2	-5.4	315.6	320.9	1.7	27.7	2.0	125.
16.7	46.4	4728.8	575.0	-1.2	-46.6	348.0	4.2	0.9	-4.1	318.6	318.9	0.1	1.7	2.3	130.
17.9	49.4	5081.1	550.0	-3.6	-39.0	34.9	4.7	-0.5	-4.7	319.8	320.7	0.2	4.4	2.5	135.
19.2	52.3	5446.9	525.0	-5.9	-42.2	14.7	6.3	-1.6	-6.1	321.4	322.6	0.2	3.7	2.8	142.
20.5	55.4	5827.0	500.0	-8.7	-42.9	13.4	6.9	-1.6	-6.7	322.4	323.0	0.1	4.0	3.2	151.
22.0	58.5	6222.1	475.0	-11.3	-45.4	15.7	6.0	-1.6	-5.6	324.0	324.5	0.1	4.0	3.6	156.
23.5	61.9	6634.6	450.0	-14.0	-48.4	353.8	6.5	0.7	-6.4	325.7	326.3	0.2	5.5	4.0	161.
24.8	65.3	7065.6	425.0	-17.7	-42.2	336.7	8.2	3.2	-7.5	326.3	327.1	0.2	9.7	4.6	161.
26.4	68.7	7514.2	400.0	-20.8	-45.8	325.9	9.5	5.5	-7.8	328.0	328.6	0.2	8.5	5.4	159.
28.0	72.3	7991.3	375.0	-22.9	-47.9	319.3	10.9	7.1	-8.3	331.3	331.8	0.1	8.0	6.4	157.
29.8	76.3	8492.7	350.0	-27.0	-51.1	330.7	9.4	4.6	-8.2	332.4	332.8	0.1	8.0	7.5	155.
31.4	80.3	9023.5	325.0	-30.5	-51.0	355.6	10.4	0.8	-10.4	334.7	335.1	0.1	11.3	8.4	155.
33.3	84.4	9587.3	300.0	-35.0	-53.1	6.3	9.2	-1.0	-9.1	336.1	336.4	0.1	13.7	9.4	159.
35.1	88.8	10188.2	275.0	-39.5	-56.0	335.9	10.0	4.1	-9.1	338.0	338.3	0.1	15.1	10.3	160.
37.0	93.6	10832.6	250.0	-45.4	-58.9	329.3	10.4	5.4	-9.0	338.6	339.9	0.9	99.9	11.5	159.
39.4	98.6	11527.5	225.0	-50.2	-59.9	317.3	11.0	7.5	-8.1	341.5	341.5	99.9	99.9	13.0	158.
41.9	104.0	12288.6	200.0	-54.9	-59.9	301.3	16.1	13.8	-8.4	345.8	345.8	99.9	99.9	15.0	153.
44.7	110.0	13139.7	175.0	-57.6	-59.9	319.1	26.3	17.2	-10.9	354.9	354.9	99.9	99.9	17.9	149.
47.9	116.3	14107.1	150.0	-61.9	-59.9	317.9	21.4	14.3	-15.8	363.5	363.5	99.9	99.9	22.6	146.
51.7	124.0	15226.3	125.0	-63.4	-59.9	327.3	27.6	13.8	-21.5	380.1	380.1	99.9	99.9	29.4	145.
55.9	132.0	16592.7	100.0	-64.6	-59.9	319.3	4.3	2.8	-3.3	402.9	402.9	99.9	99.9	31.9	146.
61.5	140.7	18350.3	75.0	-62.6	-59.9	352.4	3.0	0.4	-3.0	441.8	441.8	99.9	99.9	32.6	147.
69.0	150.0	20887.9	50.0	-56.7	-59.9	79.1	2.7	-2.7	-2.5	509.8	509.8	99.9	99.9	32.6	147.
81.0	160.0	25395.5	25.0	-40.1	-59.9	83.3	8.2	-8.1	-1.0	643.6	643.6	99.9	99.9	31.1	158.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

11 JUNE 1976
1433 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MK RTO CM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.2	791.0	916.2	26.7	15.7	200.3	6.2	2.1	5.8	307.5	341.6	12.4	51.0	0.0	0.
99.9	99.9	1000.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	14.7	948.1	900.0	24.4	11.9	209.3	15.5	7.6	13.5	305.7	333.9	9.8	45.5	0.5	24.
1.6	16.8	1104.3	875.0	23.2	9.5	220.4	21.6	14.0	16.4	307.9	332.1	8.6	42.0	1.5	30.
2.5	19.2	1447.6	850.0	24.6	2.0	231.3	26.1	20.4	16.3	311.9	327.3	5.2	22.9	2.7	37.
3.4	21.5	1709.0	825.0	24.7	-6.4	230.6	22.1	17.1	14.0	314.7	323.7	2.9	12.5	4.2	43.
4.5	24.0	1977.0	800.0	23.7	-35.5	222.6	15.3	12.4	13.5	315.4	317.3	0.2	1.0	5.4	44.
5.6	26.3	2252.1	775.0	21.3	-35.9	215.3	15.3	9.5	12.0	316.7	317.5	0.2	1.0	6.4	43.
6.6	28.9	2533.8	750.0	18.9	-38.4	221.8	12.8	8.5	9.5	317.1	317.8	0.2	1.0	7.3	43.
7.6	31.5	2822.7	725.0	16.2	-40.0	228.9	13.4	16.1	8.8	317.3	317.9	0.2	1.0	8.1	43.
8.6	34.1	3118.7	700.0	13.8	-41.5	231.9	12.5	9.9	7.7	317.8	318.3	0.1	1.0	8.9	44.
9.6	36.6	3422.8	675.0	10.4	-33.7	230.9	12.9	10.0	8.2	317.3	318.5	0.3	2.8	9.7	44.
10.7	39.3	3738.7	650.0	7.4	-27.8	225.6	12.8	9.2	9.0	317.4	319.4	0.6	6.0	10.4	45.
11.8	42.0	4055.4	625.0	4.4	-26.2	221.0	11.3	7.4	8.5	317.5	319.9	0.7	6.5	11.3	45.
13.0	44.9	4385.7	600.0	1.1	-19.6	216.6	12.5	7.4	10.0	317.4	321.7	1.3	19.5	12.1	44.
14.1	47.9	4726.0	575.0	-2.2	-16.4	212.1	12.8	6.8	10.8	317.4	323.2	1.8	32.8	12.7	44.
15.3	50.7	5077.5	550.0	-5.3	-12.1	210.3	13.9	7.0	12.0	317.8	324.4	2.8	58.9	13.8	43.
16.5	53.8	5440.9	525.0	-8.1	-16.2	210.7	15.0	7.6	12.9	318.7	325.4	2.1	54.0	14.8	42.
17.7	56.9	5819.1	500.0	-9.4	-53.5	217.4	17.3	10.5	13.8	321.6	321.9	0.1	1.8	15.0	41.
18.0	60.1	6213.9	475.0	-11.9	-43.3	224.9	19.3	13.6	13.7	323.2	323.8	0.2	5.4	17.5	41.
20.5	63.6	6625.6	450.0	-14.6	-30.1	227.4	18.9	13.7	13.1	324.9	327.3	0.7	25.4	19.1	42.
22.2	67.0	7055.7	425.0	-18.2	-58.9	221.2	18.9	12.5	14.3	325.7	325.8	0.0	1.4	21.1	42.
23.6	70.6	7507.1	400.0	-20.2	-62.8	222.5	18.1	12.3	13.4	326.7	328.8	0.0	1.0	22.7	42.
25.4	74.3	7981.6	375.0	-24.1	-65.3	220.3	17.0	11.0	13.0	329.7	329.8	0.0	1.0	24.4	42.
27.1	78.3	8481.3	350.0	-27.7	-67.6	231.4	25.3	19.8	15.8	331.5	331.5	0.0	1.0	26.5	42.
28.8	82.2	9019.8	325.0	-30.8	-69.7	247.4	31.7	34.8	14.5	333.2	334.2	0.0	1.0	29.5	44.
30.6	86.3	9573.9	300.0	-35.4	-72.7	248.7	42.6	46.2	18.0	335.5	335.5	0.0	1.0	34.0	48.
32.8	91.0	10173.1	275.0	-40.0	-99.9	248.0	57.2	51.0	21.4	337.3	339.9	99.9	99.9	40.2	51.
35.3	95.8	10817.9	250.0	-45.0	-99.9	248.3	61.4	57.4	22.9	339.2	339.9	99.9	99.9	48.1	54.
37.5	100.8	11512.8	225.0	-49.6	-99.9	250.0	68.8	62.8	22.8	342.5	339.9	99.9	99.9	57.6	56.
40.1	106.3	12289.7	200.0	-52.8	-99.9	257.1	95.1	57.6	13.2	349.2	339.9	99.9	99.9	67.3	59.
43.1	112.3	13131.9	175.0	-58.0	-99.9	251.1	58.8	52.8	18.1	354.2	339.9	99.9	99.9	75.9	61.
46.5	118.7	14091.0	150.0	-62.5	-99.9	245.2	48.2	43.8	20.2	362.5	339.9	99.9	99.9	86.6	62.
50.2	126.0	15201.9	125.0	-68.7	-99.9	252.3	43.0	41.0	13.1	369.2	339.9	99.9	99.9	95.2	63.
54.7	134.3	16536.2	100.0	-66.5	-99.9	274.7	15.5	19.4	-1.6	399.9	339.9	99.9	99.9	104.3	64.
60.5	142.7	18281.7	75.0	-61.4	-99.9	100.0	9.1	-8.9	1.7	443.3	339.9	99.9	99.9	106.6	63.
68.1	151.7	20819.2	50.0	-58.5	-99.9	59.7	11.6	-10.0	-5.8	505.7	339.9	99.9	99.9	101.2	63.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS11 JUNE 1976
1420 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	157 15.0 0
0.0	7.6	268.0	978.6	22.8	18.3	270.3	2.6	2.6	0.0	297.8	333.9	13.7	76.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	7.9	300.3	975.0	23.7	17.3	959.9	99.9	99.9	99.9	299.0	332.5	12.6	66.1	99.9	99.9
1.0	10.1	527.3	950.0	22.0	14.8	999.9	99.9	99.9	99.9	299.6	329.6	11.2	63.4	99.9	99.9
1.8	12.0	758.7	925.0	20.3	14.5	999.9	99.9	99.9	99.9	300.1	337.5	11.4	69.3	99.9	99.9
2.9	14.3	995.2	900.0	18.9	12.7	999.9	99.9	99.9	99.9	301.0	329.9	10.4	47.4	99.9	99.9
3.8	16.3	1238.1	875.0	21.0	10.7	252.2	14.9	13.3	4.3	305.6	331.4	9.3	52.0	1.1	87.0
4.5	18.5	1469.1	850.0	20.4	7.2	261.8	10.7	10.5	1.5	307.6	328.9	7.6	42.4	1.6	84.0
5.2	20.7	1746.4	825.0	19.2	3.9	269.0	6.5	6.5	0.1	308.9	326.7	6.2	36.2	2.0	84.0
6.2	23.0	2010.2	800.0	18.2	-0.2	22.6	1.9	-0.1	-1.9	310.5	324.4	4.7	28.8	2.2	86.0
7.3	25.3	2281.6	775.0	16.8	0.4	323.2	4.2	2.5	-3.4	311.9	326.8	5.1	32.8	2.2	91.0
8.4	27.7	2559.7	750.0	14.3	0.4	298.2	5.6	5.0	-2.7	312.1	327.6	5.3	36.7	2.5	95.0
9.4	30.2	2844.7	725.0	11.6	0.6	289.0	5.3	5.0	-1.7	312.2	328.3	5.5	46.7	2.8	98.0
10.4	32.7	3137.1	700.0	9.0	0.3	274.7	4.9	4.8	-0.4	312.5	328.9	5.6	54.4	3.1	98.0
11.5	35.3	3437.3	675.0	6.2	-0.4	252.9	2.9	2.8	0.9	312.6	328.8	5.5	62.6	3.4	97.0
12.9	37.9	3745.5	650.0	3.5	-1.0	147.3	3.5	-1.9	2.9	313.0	329.1	5.5	72.3	3.4	95.0
14.2	40.5	4053.8	625.0	2.5	-5.4	174.9	6.2	-0.7	8.2	315.4	327.7	4.1	55.8	3.2	88.0
15.7	43.2	4392.3	600.0	-0.8	-2.0	109.1	11.6	3.9	11.1	315.2	331.5	5.5	91.3	3.5	72.0
17.0	46.1	4731.9	575.0	-2.1	-5.3	226.2	12.4	8.9	8.6	317.6	331.2	4.5	76.6	4.3	84.0
18.3	49.1	5083.8	550.0	-4.5	-6.8	248.2	13.7	12.7	5.1	318.8	331.6	4.2	84.2	5.3	62.0
19.5	51.9	5445.3	525.0	-6.9	-9.4	256.5	15.1	14.7	3.5	320.2	331.2	3.4	81.8	6.3	64.0
20.4	55.1	5828.9	500.0	-9.3	-11.7	256.0	14.8	14.4	3.6	321.7	331.6	3.1	82.3	7.2	66.0
21.8	58.1	6224.2	475.0	-11.7	-12.1	262.0	14.3	14.2	2.0	323.4	333.5	3.2	97.4	8.4	68.0
23.1	61.5	6637.0	450.0	-14.2	-16.5	264.9	12.9	12.9	1.2	325.4	333.0	2.3	82.6	9.3	69.0
24.6	65.0	7069.0	425.0	-16.7	-22.3	267.5	14.5	14.4	0.6	327.6	332.6	1.5	61.5	10.5	72.0
26.2	68.3	7522.4	400.0	-19.9	-29.6	266.0	15.9	15.8	1.1	329.2	332.0	0.8	41.5	12.0	73.0
28.1	72.0	7998.1	375.0	-22.9	-40.6	260.9	16.1	15.9	2.6	331.3	332.4	0.3	17.9	13.7	75.0
29.9	75.8	8499.8	350.0	-26.6	-31.6	265.1	14.6	14.5	1.2	332.9	335.6	0.8	62.3	15.4	75.0
31.9	80.0	9031.6	325.0	-29.6	-59.5	268.3	17.1	16.2	-5.4	335.9	336.1	0.0	3.6	17.1	78.0
34.1	84.2	9596.6	300.0	-34.7	-72.3	284.2	22.9	22.2	-5.6	336.5	336.5	0.0	1.0	19.4	81.0
36.2	88.4	10197.7	275.0	-40.0	99.9	264.4	32.4	31.4	-8.0	337.3	999.9	99.9	99.9	22.6	95.0
38.4	93.2	10841.5	250.0	-44.9	99.9	245.4	35.0	33.8	-9.3	339.3	999.9	99.9	99.9	27.0	88.0
40.6	98.3	11536.5	225.0	-50.3	99.9	246.5	34.7	33.2	-9.9	341.5	999.9	99.9	99.9	31.6	91.0
43.2	103.8	12298.2	200.0	-54.7	99.9	291.5	28.5	26.5	-10.5	346.2	999.9	99.9	99.9	36.2	93.0
46.1	109.8	13142.9	175.0	-59.8	99.9	272.9	26.5	26.5	-11.3	351.2	999.9	99.9	99.9	40.7	94.0
49.2	118.0	14098.4	150.0	-62.2	99.9	268.0	30.5	30.5	1.1	362.9	999.9	99.9	99.9	46.4	94.0
52.9	123.7	15215.9	125.0	-64.7	99.9	246.7	17.6	16.9	-5.0	377.8	999.9	99.9	99.9	52.6	93.0
57.1	131.7	16554.8	100.0	-67.9	99.9	280.1	6.6	6.5	-1.2	396.6	999.9	99.9	99.9	55.3	95.0
63.0	147.5	18305.6	75.0	-62.8	99.9	194.7	3.4	0.9	3.3	441.3	999.9	99.9	99.9	55.7	94.0
70.9	149.7	20839.0	50.0	-57.6	99.9	95.4	6.4	-6.4	0.6	507.5	999.9	99.9	99.9	54.9	94.0
83.4	159.3	25320.4	25.0	-48.0	99.9	110.9	8.6	-8.1	3.1	647.1	999.9	99.9	99.9	50.2	93.0

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 ° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
DENVER, COLORADO

11 JUNE 1976
1409 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	19.8	1611.0	828.0	23.9	-3.4	170.0	3.1	-0.5	3.1	313.5	324.4	3.6	16.0	0.0	0.
99.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	22.1	1642.6	825.0	22.9	-4.7	226.6	2.4	2.2	2.2	312.8	323.2	3.5	16.3	0.2	31.0
1.1	22.1	1609.0	800.0	21.0	-4.7	222.1	6.1	4.1	4.5	313.6	323.8	3.4	17.3	0.2	34.1
2.0	22.5	2181.9	775.0	18.4	-7.4	219.9	10.8	6.9	8.3	311.6	322.3	2.8	16.5	0.7	21.
2.9	22.5	246.1	750.0	14.8	-8.8	224.0	11.9	8.3	8.3	313.7	321.8	2.6	17.5	1.2	31.
3.8	22.0	2747.0	725.0	13.1	-10.0	226.5	10.9	7.9	7.9	313.9	321.5	2.5	18.9	1.8	36.
4.6	31.4	3040.2	700.0	10.2	-11.7	224.2	15.3	11.1	10.6	313.8	320.8	2.2	19.9	2.4	38.
5.4	31.5	3341.0	675.0	8.0	-14.6	224.1	21.8	15.2	15.7	314.6	320.4	1.8	18.4	3.3	40.
6.4	36.2	3651.5	650.0	7.4	-14.3	216.5	23.1	13.8	18.6	317.3	321.9	1.4	14.1	4.9	41.
7.1	36.9	3973.9	625.0	7.1	-21.4	204.2	20.1	8.3	18.3	320.6	324.3	1.1	10.9	6.8	37.
8.0	36.9	4308.0	600.0	4.6	-23.6	198.4	19.0	6.0	18.1	321.5	324.6	0.9	10.7	8.5	34.
9.5	41.3	4652.3	575.0	1.2	-25.1	190.5	19.1	3.5	18.4	321.4	324.3	0.9	11.9	9.9	31.
10.8	44.1	5007.6	550.0	-2.0	-27.0	185.4	19.3	1.7	18.2	321.7	324.3	0.8	12.7	11.3	29.
12.1	46.9	5374.8	525.0	-5.3	-30.6	179.2	18.8	2.4	18.7	322.1	324.0	0.6	11.5	12.7	25.
13.5	49.9	5755.1	500.0	-9.1	-32.2	191.7	19.1	3.9	18.7	322.0	323.7	0.5	13.2	14.0	24.
14.7	52.7	6189.9	475.0	-13.2	-34.9	192.4	19.4	4.2	19.0	321.7	323.1	0.4	14.1	15.5	23.
16.0	55.7	6537.6	450.0	-17.1	-36.8	186.7	20.6	5.9	19.7	321.8	323.1	0.4	16.0	14.9	22.
17.2	58.8	6983.1	425.0	-20.6	-39.8	197.7	23.4	7.1	22.3	322.5	323.5	0.3	15.9	18.9	22.
18.7	62.0	7428.1	400.0	-24.8	-41.9	191.5	24.2	4.9	23.7	322.8	323.7	0.2	18.4	21.9	21.
20.9	65.4	7894.3	375.0	-28.1	-45.4	201.2	24.6	8.9	23.0	324.5	325.1	0.2	17.0	25.7	20.
23.5	68.9	8386.3	350.0	-31.8	-49.1	203.3	25.8	9.0	20.9	325.9	326.4	0.1	18.1	29.0	20.
25.9	72.3	8905.8	325.0	-35.9	-51.2	206.9	24.9	11.3	22.2	327.2	327.6	0.1	18.8	32.4	21.
28.3	76.3	9457.4	300.0	-39.6	-54.9	216.8	30.7	18.4	24.5	329.5	329.9	99.9	99.9	35.7	21.
30.4	80.3	10046.8	275.0	-43.9	-59.9	219.3	31.8	25.2	31.8	331.7	331.7	99.9	99.9	39.3	23.
32.3	84.5	10684.0	250.0	-46.8	-64.9	222.4	42.1	28.4	31.1	336.5	336.5	99.9	99.9	44.6	25.
34.3	88.8	11375.9	225.0	-49.2	-69.9	229.4	41.1	31.2	26.8	343.1	343.1	99.9	99.9	51.7	29.
37.8	93.8	12157.0	200.0	-51.1	-74.9	234.4	25.0	17.2	18.1	351.9	351.9	99.9	99.9	59.7	31.
40.8	99.0	13066.4	175.0	-54.4	-79.9	211.8	25.9	15.6	25.1	356.8	356.8	99.9	99.9	64.6	31.
43.5	104.5	13975.0	150.0	-61.1	-84.9	221.4	14.9	23.1	26.2	364.9	364.9	99.9	99.9	70.6	32.
46.9	110.8	15105.2	125.0	-61.5	-89.9	240.4	13.8	20.7	11.8	383.6	383.6	99.9	99.9	78.4	33.
51.3	117.7	16492.8	100.0	-62.2	-94.9	176.8	10.5	-0.6	10.5	407.7	407.7	99.9	99.9	83.8	34.
56.0	125.8	18250.5	75.0	-58.0	-99.9	257.5	8.2	7.8	2.3	451.3	451.3	99.9	99.9	83.8	37.
62.3	134.7	20841.2	50.0	-54.8	-99.9	106.1	8.7	-8.3	2.4	514.5	514.5	99.9	99.9	82.8	32.
70.9	143.7	25356.0	25.0	-47.3	-99.9	133.4	6.9	-5.0	4.8	648.6	648.6	99.9	99.9	80.2	29.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 476
GRAND JUNCTION, COLORADO11 JUNE 1976
1405 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCY	RANGE KM	AZ DG
0.7	20.0	1472.0	845.0	17.0	17.0	17.1	5.0	-1.5	-4.8	304.4	343.8	14.6	999.9	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.5	21.8	1686.0	825.0	15.1	-0.6	170.9	5.5	-0.0	5.5	304.6	317.3	4.4	33.9	0.3	14.5
1.3	24.4	1945.3	800.0	12.5	-2.2	174.4	7.6	-0.7	7.6	304.5	315.2	4.1	75.8	0.6	35.1
2.1	26.7	2210.4	775.0	10.0	-3.9	178.6	7.5	-0.2	7.5	304.6	315.4	3.7	37.2	1.0	35.2
2.9	29.3	2481.8	750.0	7.6	-5.3	188.6	7.9	1.2	7.8	304.6	315.9	3.5	39.6	1.3	35.5
3.6	32.0	2759.7	725.0	4.8	-6.7	182.7	7.7	0.4	7.7	304.6	316.1	3.2	43.0	1.6	35.9
4.5	34.8	3044.5	700.0	2.0	-8.2	175.5	8.2	-0.6	8.2	304.6	315.8	3.1	48.9	2.1	35.7
5.5	37.3	3316.9	675.0	-0.6	-9.7	164.5	9.0	1.0	9.0	305.0	313.3	2.8	52.3	2.6	35.8
6.2	40.0	3637.0	650.0	-3.4	-9.7	192.6	9.0	2.0	8.8	305.1	313.5	2.8	61.8	3.0	35.9
7.1	42.8	3945.7	625.0	-6.4	-9.6	203.2	9.6	3.8	8.8	305.2	313.8	2.9	76.7	3.4	36.2
8.1	45.8	4263.3	600.0	-9.5	-12.6	209.9	13.9	6.9	12.0	305.2	313.4	2.4	77.8	4.0	36.6
9.1	48.9	4561.5	575.0	-11.4	-21.0	216.9	18.0	10.8	14.4	305.7	312.5	1.2	44.7	4.9	11.6
10.4	51.6	4931.1	550.0	-13.7	-26.3	221.4	21.9	14.5	16.4	307.9	310.5	0.8	33.3	5.3	18.6
11.6	54.9	5283.2	525.0	-15.7	-29.3	215.6	27.7	16.1	22.5	309.6	311.7	0.6	29.8	6.0	23.6
12.9	58.0	5650.5	500.0	-16.3	-30.5	209.4	32.9	16.1	20.6	313.2	313.2	0.4	27.9	10.3	25.6
14.4	61.4	6036.3	475.0	-17.4	-34.2	202.9	35.2	17.7	32.4	316.4	315.3	0.6	27.4	13.5	25.6
16.0	65.0	6478.9	450.0	-20.5	-38.2	200.2	36.9	12.7	34.6	317.5	315.1	0.5	26.0	16.8	25.6
17.4	68.3	6859.9	425.0	-23.3	-36.8	199.4	40.7	13.5	38.4	319.2	320.5	0.4	27.6	23.0	24.6
18.8	71.8	7300.8	400.0	-26.7	-39.5	196.7	43.3	12.9	41.0	320.3	321.3	0.3	28.5	23.6	23.6
20.1	75.6	7753.5	375.0	-30.2	-42.5	200.9	46.3	16.5	43.2	321.7	322.5	0.2	28.6	27.2	23.6
21.6	79.7	8251.2	350.0	-33.7	-45.4	201.1	43.8	15.7	40.9	323.3	324.0	0.2	29.3	31.3	22.6
23.6	83.7	8767.1	325.0	-37.2	-48.3	201.8	51.3	19.0	47.6	325.5	326.0	0.1	30.0	36.9	22.6
25.5	87.8	9316.3	300.0	-40.6	-50.9	205.4	53.3	23.2	48.0	328.2	328.2	99.9	999.9	42.8	22.6
27.5	92.6	9905.1	275.0	-43.8	-53.8	209.5	56.3	27.8	49.0	331.9	328.9	99.9	999.9	49.2	23.6
29.7	97.4	10544.0	250.0	-47.7	-56.9	212.8	53.1	28.8	48.6	339.7	328.9	99.9	999.9	56.6	24.6
32.6	102.5	11252.0	225.0	-43.1	-59.9	217.1	48.0	29.0	38.3	352.5	328.9	99.9	999.9	61.3	26.6
35.3	108.3	12043.4	200.0	-45.4	-59.9	212.1	32.4	17.2	27.4	360.9	328.9	99.9	999.9	71.3	27.6
38.0	114.3	12925.6	175.0	-49.5	-59.9	210.1	36.3	18.2	31.4	368.2	328.9	99.9	999.9	77.0	27.6
40.7	120.8	13927.2	150.0	-54.8	-59.9	216.9	11.5	6.9	9.2	375.7	328.9	99.9	999.9	80.6	27.6
43.9	128.3	15073.6	125.0	-61.6	-59.9	194.5	16.0	4.0	15.5	383.4	328.9	99.9	999.9	84.3	27.6
48.3	136.7	16476.3	100.0	-56.7	-59.9	264.1	6.4	6.4	0.7	418.3	328.9	99.9	999.9	89.8	27.6
53.8	145.3	18263.5	75.0	-59.5	-59.9	214.8	10.0	5.7	8.2	448.3	328.9	99.9	999.9	99.5	28.6
61.5	153.7	20817.8	50.0	-54.9	-59.9	154.2	11.1	-4.8	10.0	514.2	328.9	99.9	999.9	90.3	27.6
72.5	167.5	23316.8	25.0	-48.9	-59.9	99.9	99.9	99.9	99.9	644.4	328.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

11 JUNE 1976
1457 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CORP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.4	202.0	987.4	26.7	18.6	240.0	4.1	3.6	2.1	303.9	337.7	13.8	61.0	0.0	0.
0.9	90.9	95.9	1000.0	99.9	99.9	99.9	97.9	99.9	96.9	99.9	999.9	99.9	999.9	999.9	999.9
0.4	8.5	313.6	975.0	25.0	17.2	251.9	5.3	6.0	1.9	300.3	334.5	12.8	62.0	0.2	37.
1.1	10.8	531.2	950.0	22.6	15.8	258.6	4.1	7.9	1.6	300.1	332.2	12.0	65.5	0.4	58.
1.9	13.1	773.9	925.0	22.9	15.4	263.2	10.6	10.5	1.3	302.8	335.2	12.0	62.4	0.9	72.
2.6	15.4	1012.6	900.0	21.4	14.6	253.3	9.5	8.2	2.5	303.5	335.4	11.7	65.4	1.3	78.
3.4	17.8	1256.8	875.0	19.9	14.1	243.5	7.9	7.0	2.5	304.4	336.3	11.7	69.6	1.6	73.
4.3	20.2	1506.3	850.0	17.9	10.1	239.0	7.2	6.2	2.7	304.9	337.3	9.2	60.5	2.0	70.
5.2	22.6	1761.3	825.0	15.8	9.8	254.4	8.9	6.5	2.4	305.3	331.4	9.3	67.4	2.4	69.
6.2	25.2	2022.4	800.0	13.6	12.2	247.1	6.7	6.2	2.6	305.6	334.5	11.3	91.3	2.9	70.
7.2	27.7	2290.3	775.0	12.8	9.1	254.5	4.5	4.4	1.2	307.6	334.1	9.5	78.4	3.2	69.
8.1	30.3	2566.3	750.0	12.3	5.1	291.6	2.5	2.3	-0.9	309.9	331.1	7.4	61.5	3.5	71.
9.3	33.1	2850.1	725.0	10.7	2.4	272.8	2.4	2.4	-0.1	311.2	329.5	6.3	54.4	3.5	73.
10.1	35.7	3141.7	700.0	8.2	-0.4	251.5	2.9	2.8	0.9	311.5	327.2	5.3	54.8	3.7	73.
11.1	38.6	3440.6	675.0	5.1	-3.6	269.5	3.3	3.3	0.0	313.6	324.3	4.4	53.2	3.8	75.
12.3	41.3	3748.3	650.0	4.1	-15.3	302.1	5.6	4.7	-3.0	313.6	319.3	1.8	22.7	4.1	75.
13.4	44.3	4055.6	625.0	1.4	-18.1	309.3	5.7	4.4	-3.6	314.1	319.8	1.5	21.7	4.3	80.
14.5	47.4	4392.6	600.0	-1.2	-21.6	302.4	4.6	3.9	-2.5	314.8	314.5	1.1	19.4	4.6	83.
15.7	50.4	4731.0	575.0	-2.4	-24.9	301.5	5.6	4.8	-3.0	317.2	320.1	0.9	15.7	4.8	85.
16.9	53.5	5082.4	550.0	-4.1	-26.9	291.9	5.5	5.1	-2.1	319.3	321.9	0.8	14.9	5.2	88.
18.1	56.6	5447.6	525.0	6.7	-28.8	289.9	4.0	3.8	-1.4	320.4	322.7	0.7	15.2	5.5	89.
19.4	59.9	5826.1	500.0	-9.6	-30.9	276.9	4.7	4.6	-0.6	321.4	323.4	0.6	15.5	5.8	90.
20.7	63.4	6220.4	475.0	-12.2	-33.6	265.5	5.1	5.1	0.4	322.9	324.5	0.5	14.9	6.7	90.
22.1	66.9	6631.2	450.0	-15.5	-34.0	280.8	6.1	5.9	-1.1	323.8	325.4	0.5	18.6	6.7	90.
23.6	70.5	7061.6	425.0	-17.0	-36.8	295.1	6.2	5.6	-2.6	327.2	329.6	0.4	15.9	7.2	91.
25.3	74.2	7514.0	400.0	-19.9	-39.1	312.1	6.2	4.4	-4.1	329.1	330.3	0.3	16.2	7.7	94.
26.9	78.2	7959.3	375.0	-23.4	-41.8	314.5	5.4	3.9	-3.8	330.6	331.6	0.3	16.6	8.2	97.
28.6	82.0	8400.0	350.0	-27.1	-44.1	304.2	7.7	6.4	-4.3	332.2	333.0	0.2	17.9	8.7	99.
30.7	86.2	9019.1	325.0	-31.7	-44.8	306.5	6.7	5.4	-4.0	333.0	333.8	0.2	25.7	9.5	102.
32.7	90.6	9580.4	300.0	-36.2	-47.6	297.6	6.1	5.4	-2.8	334.4	335.1	0.2	29.2	10.3	102.
34.9	95.3	10177.7	275.0	-41.3	-49.9	289.3	7.0	6.4	-2.3	335.4	335.9	99.9	999.9	11.1	104.
37.3	100.2	10817.9	250.0	-46.4	-49.9	281.3	13.0	12.8	-2.5	337.1	999.9	99.9	999.9	12.4	103.
39.6	105.2	11508.3	225.0	-52.2	-49.9	287.7	14.5	13.8	-4.4	338.6	999.9	99.9	999.9	14.5	104.
42.3	110.7	12282.3	200.0	-56.7	-49.9	292.5	19.5	18.0	-7.5	343.0	999.9	99.9	999.9	17.3	105.
45.3	116.5	13108.4	175.0	-58.0	-49.9	310.2	27.6	21.1	-17.8	354.3	999.9	99.9	999.9	21.1	107.
48.5	123.0	14065.4	150.0	-63.3	-49.9	309.5	21.0	16.2	-13.4	361.1	999.9	99.9	999.9	25.4	113.
52.3	130.0	15190.7	125.0	-62.7	-49.9	307.0	21.1	16.9	-12.7	381.5	999.9	99.9	999.9	30.8	115.
56.9	137.3	16582.9	100.0	-62.6	-49.9	301.4	5.1	4.3	-2.7	404.9	999.9	99.9	999.9	34.8	116.
62.4	144.7	18327.6	75.0	-63.0	-49.9	256.5	3.4	3.3	0.8	441.0	999.9	99.9	999.9	35.4	118.
70.2	152.7	20877.0	50.0	-58.0	-49.9	77.4	2.4	2.4	-0.5	511.6	999.9	99.9	999.9	35.5	117.
81.5	161.5	25370.9	25.0	-48.7	-49.9	102.5	7.7	-7.5	1.7	644.8	999.9	99.9	999.9	32.8	119.

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

° BY TIME MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 553
 OMAHA, NEBRASKA

 11 JUNE 1976
 1400 GMT

TIME MIN	CNTCT	HEIGHT GPH	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.5	400.0	950.2	24.0	18.9	150.0	3.6	-2.3	4.0	300.8	339.3	14.5	73.0	9.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
01.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
04.4	10.1	47.5	950.0	24.3	14.6	157.7	9.1	-3.5	8.5	301.9	331.9	11.1	54.8	0.2	329.
1.2	12.2	700.4	925.0	26.9	17.4	145.4	13.7	1.3	13.7	303.0	341.2	13.9	64.0	0.7	342.
1.9	14.4	950.5	900.0	26.6	14.0	190.5	17.3	1.3	16.3	308.9	341.4	11.7	44.1	1.3	358.
2.3	16.5	1199.1	875.0	25.4	5.4	202.6	13.5	5.2	12.5	313.3	329.9	6.4	25.9	2.1	8.
3.6	14.7	1454.1	850.0	25.7	3.1	192.8	10.1	3.3	9.6	313.1	329.7	5.6	23.1	2.6	11.
4.4	20.8	1713.5	825.0	23.8	2.6	192.8	7.3	1.6	7.1	313.4	330.3	5.6	24.9	3.1	12.
5.3	23.2	1982.8	800.0	20.8	1.7	177.7	6.8	-0.3	6.8	313.3	329.3	4.4	28.1	3.4	11.
6.1	25.5	2256.3	775.0	18.6	5.2	165.4	6.2	-1.1	6.1	313.8	334.7	7.4	41.4	3.7	9.
7.2	27.9	2536.2	750.0	15.8	5.1	191.0	5.0	1.0	4.9	313.7	325.2	7.4	49.2	4.1	8.
8.2	30.4	2823.5	725.0	13.8	3.3	230.6	3.9	3.4	2.0	314.6	334.3	6.7	49.1	4.3	10.
9.4	33.0	3117.8	700.0	10.8	1.6	253.5	4.9	4.7	1.4	314.4	332.6	6.2	53.1	4.5	13.
10.5	35.5	3420.2	675.0	8.4	-0.9	289.6	6.3	4.0	-2.1	315.0	330.8	4.3	51.9	4.6	18.
11.6	38.1	3731.6	650.0	7.4	-4.5	290.2	8.5	8.0	-2.7	317.3	330.1	4.2	42.4	4.5	24.
12.5	40.6	4053.1	625.0	4.2	-3.0	287.9	10.8	10.3	-3.3	317.2	332.1	4.9	59.7	4.6	29.
13.7	43.4	4385.9	600.0	1.2	-3.3	242.2	13.8	13.2	-4.3	317.6	332.6	5.0	71.7	4.8	41.
14.6	46.3	4725.3	575.0	-1.5	-4.0	282.2	15.2	14.9	-3.2	319.2	332.1	4.2	82.4	5.0	56.
15.7	49.3	5078.0	550.0	-4.2	-6.7	276.6	16.5	16.4	-1.3	319.2	332.1	3.8	82.4	6.9	62.
16.8	52.1	5443.5	525.0	-7.0	-8.7	270.9	15.2	15.2	-0.2	320.0	331.7	3.2	91.0	7.9	65.
18.1	55.2	5822.3	500.0	-10.2	-11.4	268.3	14.1	14.1	0.4	320.6	330.7	3.2	92.0	8.9	68.
19.4	58.4	6216.3	475.0	-12.7	-13.6	277.7	14.3	14.3	-1.9	322.3	331.2	2.8	92.0	9.9	72.
20.7	61.7	6627.3	450.0	-15.4	-16.6	282.3	14.5	14.5	-3.1	323.9	331.3	2.3	90.4	10.7	74.
21.8	65.2	7057.0	425.0	-18.3	-19.0	282.2	13.4	13.1	-2.8	325.6	331.4	1.8	86.6	11.6	77.
23.7	68.6	7507.3	400.0	-21.1	-23.6	281.2	12.4	12.5	-2.5	327.6	332.4	1.4	80.3	12.7	79.
24.5	72.2	7996.7	375.0	-24.8	-27.9	276.3	12.9	12.8	-1.3	328.0	332.3	1.0	74.8	13.7	80.
25.9	76.2	8470.4	350.0	-28.5	-30.2	252.3	14.3	14.3	0.7	330.3	330.9	0.2	66.0	15.2	86.
27.5	80.1	9006.3	325.0	-32.5	-34.5	246.3	19.5	18.2	7.2	331.9	333.2	0.3	46.0	17.2	78.
29.2	84.3	9567.2	300.0	-35.8	-44.5	246.3	23.0	23.0	0.9	334.9	335.8	0.2	40.2	19.4	78.
31.1	88.6	10167.6	275.0	-40.6	99.9	247.6	23.0	23.0	-3.2	336.4	999.9	99.9	999.9	19.4	78.
32.1	92.4	10808.3	250.0	-45.1	99.9	277.3	24.5	24.5	-2.1	339.0	999.9	99.9	999.9	22.3	80.
33.3	96.4	11505.4	225.0	-49.9	99.9	275.3	24.5	24.4	-2.1	342.0	999.9	99.9	999.9	25.6	82.
35.3	98.4	12258.1	200.0	-54.8	99.9	269.1	19.0	19.0	0.3	345.1	999.9	99.9	999.9	28.5	83.
37.5	103.6	13112.3	175.0	-59.7	99.9	258.2	25.7	25.1	5.3	351.5	999.9	99.9	999.9	31.8	82.
40.1	109.6	14073.3	150.0	-60.8	99.9	275.3	24.5	24.4	-2.2	365.3	999.9	99.9	999.9	37.0	84.
43.0	115.0	14673.3	125.0	-62.5	99.9	286.5	14.5	13.9	-4.1	381.8	999.9	99.9	999.9	41.0	85.
46.7	122.8	15206.4	100.0	-65.6	99.9	232.7	7.5	5.9	-4.5	401.0	999.9	99.9	999.9	43.5	85.
50.7	130.3	16558.4	75.0	-61.6	99.9	70.8	1.4	-1.3	-0.5	443.7	999.9	99.9	999.9	44.9	84.
56.4	136.0	18327.1	50.0	-56.8	99.9	104.6	2.9	-2.8	0.8	500.8	999.9	99.9	999.9	43.8	84.
63.8	145.3	20868.4	25.0	-46.0	99.9	101.3	8.5	-8.4	1.7	647.2	999.9	99.9	999.9	43.9	83.
78.0	152.7	25370.5	25.0	-46.0	99.9	101.3	8.5	-8.4	1.7	647.2	999.9	99.9	999.9	43.9	83.

 0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA
11 JUNE 1976
1500 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DW PT DEG C	DIR DEG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX PTO GM/KG	DM PCT	RANGE FM	AZ DEG
0.0	13.8	847.0	904.8	23.9	12.8	180.7	3.1	0.0	3.1	305.7	334.3	10.4	50.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	14.3	893.7	900.0	24.3	13.2	190.4	5.9	1.1	5.8	305.6	335.0	10.7	52.0	0.2	34.0
0.9	16.3	1139.4	875.0	21.5	11.3	195.0	5.0	1.7	4.7	306.2	333.0	9.7	52.0	0.3	24.0
1.8	19.6	1190.8	850.0	23.7	4.6	250.5	5.1	4.9	1.2	311.0	329.3	6.3	20.9	0.5	13.0
2.6	20.8	1653.5	825.0	26.5	2.4	241.2	6.0	5.9	0.9	316.6	333.1	5.5	21.0	0.7	52.0
3.6	23.1	1973.6	800.0	24.7	-0.0	245.6	7.1	6.6	2.6	317.5	331.9	4.9	19.4	1.1	61.0
4.5	25.4	2200.7	775.0	22.9	-2.1	242.8	5.8	5.2	2.7	318.5	331.4	4.2	19.7	1.4	61.0
5.6	27.8	2404.5	750.0	20.5	-3.4	224.5	5.3	3.7	3.8	313.9	331.0	4.0	19.7	1.8	60.0
6.5	30.3	2775.4	725.0	17.8	-4.6	207.1	6.3	2.8	5.6	319.0	330.6	3.8	21.4	2.1	56.0
7.5	33.0	3073.6	700.0	14.0	-5.9	198.6	7.9	2.7	7.5	319.1	330.0	3.5	23.1	2.4	50.0
8.5	35.5	3380.0	675.0	12.4	-7.7	198.2	9.1	2.0	8.7	319.6	329.4	3.2	23.7	2.9	45.0
9.6	38.1	3694.4	650.0	9.2	-9.4	200.5	10.2	3.6	9.6	319.4	329.4	2.9	25.7	3.4	40.0
10.7	40.7	4017.7	625.0	6.3	-10.1	203.2	11.8	4.7	10.9	319.4	329.5	2.8	26.7	4.1	38.0
11.9	43.6	4350.4	600.0	3.1	-11.3	206.2	13.4	4.5	11.5	319.7	329.2	2.7	27.7	5.0	35.0
13.0	46.5	4693.3	575.0	-0.2	-11.6	198.7	13.2	4.2	12.5	319.9	329.4	2.7	27.7	5.9	33.0
14.3	49.5	5047.1	550.0	-3.5	-12.3	201.5	14.1	5.2	13.1	319.8	329.3	2.7	27.7	6.8	31.0
15.5	52.4	5412.5	525.0	-7.3	-13.4	205.4	15.0	5.7	13.9	319.7	329.9	2.6	27.7	7.9	29.0
16.9	55.5	5790.8	500.0	-10.5	-15.4	208.9	15.3	6.4	13.9	320.3	327.7	2.3	27.7	9.2	29.0
18.4	58.7	6193.5	475.0	-13.8	-19.7	206.0	15.4	6.7	13.8	320.9	326.4	1.7	27.7	10.5	26.0
19.9	62.1	6592.8	450.0	-15.2	-31.7	214.9	15.1	9.2	13.2	324.2	325.9	0.5	18.4	11.9	28.0
21.4	65.5	7022.3	425.0	-18.5	-37.2	225.8	15.0	14.6	13.7	325.3	325.6	0.4	17.4	13.5	30.0
22.9	69.1	7471.0	400.0	-22.4	-43.0	227.7	15.9	14.0	12.7	325.9	325.9	0.3	17.4	15.2	32.0
24.5	72.7	7941.5	375.0	-26.3	-43.0	224.4	17.6	11.9	13.0	326.8	327.6	0.2	18.8	16.9	34.0
26.1	76.6	8437.2	350.0	-29.5	-45.1	218.4	22.7	14.1	17.8	328.9	329.7	0.2	20.3	18.9	34.0
28.0	80.6	8961.3	325.0	-34.0	-49.1	225.9	24.5	17.6	17.0	332.8	330.7	0.1	19.0	21.6	35.0
29.6	84.8	9515.7	300.0	-39.1	-53.1	227.7	24.5	18.4	16.2	330.3	330.6	0.1	20.8	23.8	36.0
31.7	89.2	10108.0	275.0	-42.1	99.0	245.3	24.1	24.4	13.8	334.2	332.9	99.9	99.9	25.7	38.0
33.7	94.0	10748.0	250.0	-44.0	99.9	253.7	10.2	27.1	13.4	337.7	339.9	99.9	99.9	30.0	41.0
36.1	99.9	11442.1	225.0	-49.7	99.9	249.5	15.8	33.5	12.5	342.1	347.9	99.9	99.9	34.6	48.0
38.5	105.0	12205.9	200.0	-57.3	99.9	235.1	13.4	19.7	17.4	349.4	349.4	99.9	99.9	39.6	47.0
41.2	110.0	13059.1	175.0	-57.9	99.9	225.0	23.4	16.6	16.5	354.4	354.4	99.9	99.9	42.3	47.0
44.2	116.0	14023.8	150.0	-59.7	99.9	225.7	17.9	10.3	14.1	367.2	367.2	99.9	99.9	47.2	47.0
47.7	123.3	15053.8	125.0	-61.2	99.9	232.4	14.7	11.7	14.9	364.3	364.3	99.9	99.9	51.6	47.0
51.6	131.0	16225.7	100.0	-65.9	99.9	217.4	7.3	4.5	5.8	400.5	399.9	99.9	99.9	52.4	47.0
56.6	140.3	18014.4	75.0	-59.9	99.9	250.2	1.2	1.2	0.3	447.5	447.5	99.9	99.9	54.0	46.0
63.7	146.3	20451.4	50.0	-55.5	99.9	127.1	4.6	-3.0	2.4	-2.9	999.9	99.9	99.9	53.3	45.0
75.0	158.0	25347.7	25.0	-47.0	99.9	98.4	5.4	-5.3	0.9	649.6	999.9	99.9	99.9	51.2	42.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME MAX MEAN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 576
 LAND: R. WYOMING

 11 JUNE 1976
 1500 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SP-FD M/SEC	U-COMP M/SEC	V-COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCY	RANGE KM	AZ DG
0 0	22.4	1535.0	820.0	12.8	4.0	310.0	2.1	1.6	-1.3	302.7	320.1	6.2	55.0	0.0	0.0
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	800.0	11.5	0.8	999.9	99.9	99.9	99.9	303.4	317.9	5.1	47.8	999.9	99.9
0.7	24.4	1902.2	800.0	11.5	-1.1	999.9	99.9	99.9	99.9	306.2	319.3	4.4	41.5	999.9	99.9
1.7	20.7	2167.4	750.0	4.5	-3.0	999.9	99.9	99.9	99.9	307.0	319.0	4.1	41.0	999.9	99.9
2.6	20.2	2450.7	725.0	7.6	-4.2	184.2	7.7	1.6	7.7	307.8	319.1	7.9	42.8	0.4	290.0
3.5	31.8	2731.2	700.0	5.3	-4.8	184.8	9.0	1.4	8.6	308.1	319.6	7.8	48.1	0.7	327.0
4.2	34.4	3009.3	675.0	2.2	-6.0	184.9	9.4	1.6	9.3	309.2	318.9	3.6	54.3	1.0	344.0
5.0	37.0	3304.9	650.0	-0.6	-7.0	181.7	10.7	0.3	1.7	308.3	318.6	3.5	61.9	1.5	381.0
5.8	39.9	3603.5	625.0	-3.1	-8.8	174.3	12.7	-0.4	1.7	308.9	318.3	3.1	64.5	2.0	353.0
6.6	42.4	3920.8	600.0	-5.7	-11.4	176.1	14.0	-0.9	14.0	309.0	317.6	2.7	62.6	2.7	354.0
7.4	45.3	4242.7	575.0	-8.2	-14.2	171.6	14.2	-2.1	14.1	310.4	317.2	2.2	61.8	3.6	354.0
8.4	48.3	4575.1	550.0	-11.1	-18.6	170.9	14.1	-2.2	13.0	311.0	316.0	1.6	53.8	4.5	353.0
9.5	51.1	4918.5	525.0	-14.2	-21.8	172.8	15.4	-1.9	15.7	311.4	315.4	1.3	52.2	5.5	353.0
10.7	54.3	5273.7	500.0	-17.2	-25.1	173.8	17.3	-1.0	17.2	312.1	315.3	1.0	49.7	6.7	353.0
11.9	57.3	5641.9	475.0	-18.8	-31.8	181.0	19.6	0.3	19.6	314.9	314.7	0.6	31.5	8.3	353.0
13.3	60.6	5975.2	450.0	-20.9	-37.7	188.3	23.5	3.7	27.2	317.0	317.7	0.2	12.0	9.8	356.0
14.6	64.0	6266.5	425.0	-24.6	-49.0	188.2	28.3	4.0	28.0	317.5	317.9	0.1	8.3	11.8	358.0
15.9	67.4	6545.7	400.0	-28.3	-51.3	184.5	31.3	3.0	31.1	318.3	318.6	0.1	8.8	14.3	359.0
17.1	70.9	6823.9	375.0	-32.2	-52.9	184.5	34.5	2.3	29.4	319.0	319.3	0.1	10.6	17.2	0.0
18.9	74.7	7142.9	350.0	-35.9	-54.5	184.4	34.4	2.6	34.3	320.3	320.6	0.1	12.7	20.4	1.0
20.6	78.7	7462.2	325.0	-40.0	-59.9	184.9	37.4	3.2	37.4	321.5	320.9	99.9	99.9	24.5	2.0
22.4	82.5	7780.8	300.0	-44.5	-64.5	184.2	36.1	2.6	36.1	322.7	322.7	99.9	99.9	28.9	2.0
24.4	86.5	8098.1	275.0	-47.8	-67.8	184.3	33.6	3.6	32.6	325.9	325.9	99.9	99.9	33.1	3.0
26.5	91.2	8415.9	250.0	-47.3	-67.3	184.3	30.5	2.8	30.2	325.7	325.7	99.9	99.9	37.4	3.0
28.7	95.8	8730.8	225.0	-46.1	-66.1	184.0	31.8	8.8	30.6	347.9	347.9	99.9	99.9	42.1	4.0
31.2	100.8	9048.2	200.0	-46.8	-66.8	184.0	29.1	3.6	28.9	358.7	358.7	99.9	99.9	46.9	5.0
33.9	106.3	9365.2	175.0	-48.8	-68.8	184.0	27.1	7.7	32.9	369.4	369.4	99.9	99.9	52.4	5.0
36.7	112.0	9682.0	150.0	-52.8	-72.8	184.0	24.2	12.8	26.5	379.1	379.1	99.9	99.9	58.4	6.0
40.3	118.3	10000.0	125.0	-51.5	-71.5	184.0	27.1	15.2	22.4	401.7	401.7	99.9	99.9	65.0	8.0
44.1	125.5	10318.2	100.0	-50.2	-70.2	184.0	14.6	2.7	14.4	413.4	413.4	99.9	99.9	69.2	10.0
48.8	133.5	10636.5	75.0	-53.6	-73.6	184.0	6.1	7.8	8.0	449.7	449.7	99.9	99.9	70.5	9.0
54.5	141.7	10954.8	50.0	-53.6	-73.6	184.0	5.3	-5.0	1.9	517.2	517.2	99.9	99.9	72.4	8.0
62.7	151.0	11273.1	25.0	-59.9	-79.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 637
FLINT, MICHIGAN
11 JUNE 1976
1500 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW DG	DIR DG	SPD M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO G/M/KG	RM PCT	RANGE KM	AZ DG
0.3	13	236.0	979.3	26.1	20.0	250.0	5.2	5.8	2.1	301.1	341.4	15.2	69.0	0.0	0
99.9	99.9	99.9	1000.0	55.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.2	7.7	275.0	975.0	25.9	19.7	265.0	5.8	6.8	0.2	301.3	341.2	15.0	68.5	0.2	40
0.7	9.8	503.4	950.0	23.5	18.5	280.0	8.5	8.4	-1.5	301.1	339.0	1.3	73.3	0.4	80
1.6	11.8	730.3	925.0	21.4	17.9	285.5	12.8	10.4	-2.9	301.2	338.8	14.1	80.7	0.9	93
2.4	14.1	573.9	900.0	19.9	17.8	295.5	12.3	10.7	-6.1	302.0	340.7	14.5	87.9	1.5	101
3.1	16.1	1217.7	875.0	19.4	17.3	298.3	13.2	11.6	-6.3	303.9	342.8	14.4	87.9	2.0	105
4.1	18.5	1467.4	850.0	17.6	15.0	295.8	12.4	12.4	-6.0	304.6	337.3	12.8	85.0	2.0	109
5.0	20.7	1722.7	825.0	15.6	12.5	295.2	14.3	12.9	-6.1	305.1	335.8	11.2	82.7	3.5	110
5.9	23.0	1983.6	800.0	13.5	9.9	297.0	13.2	11.7	-6.0	305.6	332.3	9.7	78.8	4.2	111
6.9	25.4	2251.2	775.0	11.8	7.9	300.0	14.4	12.3	-7.4	305.5	332.7	8.7	77.0	5.1	112
7.9	27.6	2525.4	750.0	10.9	4.3	307.6	15.3	12.1	-9.3	304.4	329.3	7.0	63.8	5.9	114
9.0	30.2	2807.8	725.0	9.6	-1.7	317.6	15.1	10.2	-11.1	310.0	323.7	4.7	45.0	6.9	117
10.0	32.8	3098.2	700.0	7.2	-1.3	323.3	16.0	9.5	-12.8	310.4	324.5	4.8	53.0	7.9	120
11.1	35.3	3396.1	675.0	4.6	-3.9	315.5	16.9	11.0	-12.8	310.8	323.4	4.3	53.9	8.8	123
12.2	37.8	3702.7	650.0	2.8	-7.2	312.8	16.3	12.0	-11.1	312.1	322.5	3.4	47.9	9.8	124
13.4	40.5	4013.0	625.0	-0.1	-7.5	308.7	15.2	15.0	-12.0	312.4	322.9	3.5	57.4	11.1	125
14.5	43.2	4344.7	600.0	-2.4	-9.4	307.1	15.8	15.3	-12.7	313.4	322.6	3.0	56.8	12.5	125
15.8	46.1	4681.4	575.0	-4.5	-21.0	309.4	15.8	15.3	-12.6	314.7	319.0	1.4	28.8	14.0	125
16.9	49.1	5030.7	550.0	-5.7	-42.9	313.9	20.4	14.7	-14.1	317.4	317.9	0.2	3.4	15.3	126
18.2	51.9	5394.1	525.0	-7.2	-49.1	315.4	21.4	15.6	-14.7	319.8	320.1	0.1	1.9	17.0	127
19.5	55.0	5772.5	500.0	-9.6	-49.5	315.9	20.3	14.1	-14.6	321.4	321.7	0.1	2.2	18.5	127
20.9	58.0	6166.3	475.0	-12.6	-50.3	315.8	19.2	12.7	-13.0	322.4	322.7	0.1	2.5	20.2	128
22.2	61.3	6570.2	450.0	-16.1	-51.5	311.7	18.9	14.2	-12.4	323.0	323.3	0.1	3.0	21.5	128
23.9	64.7	7004.4	425.0	-19.1	-24.6	307.3	22.2	17.6	-13.6	324.5	329.6	1.2	61.6	23.5	128
25.4	68.0	7453.7	400.0	-20.9	-25.5	305.5	15.8	17.0	-10.0	327.8	330.6	0.8	45.9	25.8	129
27.1	71.4	7924.5	375.0	-23.7	-38.3	305.3	15.3	13.1	-9.6	329.3	331.6	0.4	24.5	27.3	129
28.8	75.3	8420.3	350.0	-27.9	-41.5	307.2	13.5	10.8	-8.2	331.1	332.1	0.3	25.7	28.9	129
30.6	79.3	8956.2	325.0	-32.2	-43.7	294.5	14.1	12.8	-5.8	332.4	333.3	0.2	30.5	30.5	129
32.5	83.3	9516.7	300.0	-36.6	-46.0	301.5	21.3	18.2	-11.1	333.8	334.6	0.2	36.8	32.9	127
34.5	87.5	10113.0	275.0	-41.6	99.9	309.0	20.7	16.1	-13.0	334.9	999.9	99.9	999.9	34.9	127
36.7	92.2	10752.7	250.0	-46.7	99.9	322.7	26.0	15.8	-20.7	334.7	999.9	99.9	999.9	37.7	127
39.6	97.0	11442.4	225.0	-52.4	99.9	329.9	27.6	17.8	-21.1	339.2	999.9	99.9	999.9	42.5	129
41.1	102.0	12199.1	200.0	-54.8	99.9	329.1	31.8	16.3	-27.3	346.1	999.9	99.9	999.9	46.9	130
44.9	108.0	13046.1	175.0	-58.9	99.9	299.7	28.4	19.0	-7.2	352.6	999.9	99.9	999.9	50.8	131
48.2	114.3	14016.3	150.0	-58.3	99.9	283.7	18.9	18.4	-4.5	359.6	999.9	99.9	999.9	54.9	129
51.9	121.3	15168.3	125.0	-57.9	99.9	303.3	17.6	14.7	-5.6	359.1	999.9	99.9	999.9	59.3	129
56.3	129.0	16567.3	100.0	-61.6	99.9	265.2	6.6	6.6	0.6	408.7	999.9	99.9	999.9	62.3	128
61.8	137.7	18356.5	75.0	-60.6	99.9	266.3	2.7	2.7	0.2	445.9	999.9	99.9	999.9	65.1	127
69.3	146.7	20919.3	50.0	-53.7	99.9	31.0	4.0	-2.4	-3.1	517.0	999.9	99.9	999.9	65.7	128
80.9	156.3	25450.1	25.0	-47.7	99.9	86.9	6.4	-6.4	-0.3	647.9	999.9	99.9	999.9	64.0	130

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIM HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645
GREEN BAY, WISCONSIN11 JUNE 1976
1500 GMT

144 180 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MR	TEMP DG C	DFW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE KN	AZ DG
00.0	7.4	210.0	562.7	27.2	22.4	270.0	3.1	3.1	0.0	301.9	348.6	17.6	75.0	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.3	8.0	279.7	975.0	25.9	18.3	99.9	99.9	99.9	99.9	301.3	338.0	13.9	52.9	99.9	99.9
10.0	10.0	507.0	950.0	22.0	99.9	99.9	99.9	99.9	99.9	299.6	99.9	99.9	99.9	99.9	99.9
21.0	11.8	737.0	925.0	20.6	99.9	99.9	99.9	99.9	99.9	300.4	99.9	99.9	99.9	99.9	99.9
21.9	13.8	972.5	900.0	19.3	99.9	99.9	99.9	99.9	99.9	301.4	99.9	99.9	99.9	99.9	99.9
30.7	15.8	141.6	875.0	18.4	9.3	99.9	99.9	99.9	99.9	302.9	326.2	8.5	55.6	99.9	99.9
40.6	17.9	147.2	850.0	17.6	8.6	337.9	6.7	2.5	-5.2	304.6	327.6	8.1	55.5	1.0	176.
50.4	20.1	177.7	825.0	16.2	7.5	333.4	5.7	3.9	-7.4	308.7	326.7	7.9	59.8	1.4	170.
60.3	22.0	1978.3	800.0	14.4	5.6	314.1	9.7	7.0	-6.7	308.2	326.7	7.1	55.1	1.6	164.
70.3	24.3	2246.1	775.0	13.4	-4.3	295.8	11.1	10.0	-4.8	308.2	318.8	3.6	29.0	2.3	154.
80.2	26.3	2521.5	750.0	12.7	-7.1	300.8	12.3	10.5	-6.3	310.4	319.5	3.0	2.5	2.9	146.
90.1	28.6	2804.7	725.0	10.2	-5.2	303.6	12.7	10.3	-7.4	310.6	321.3	3.6	33.7	3.5	142.
99.9	31.0	3095.0	700.0	7.3	-4.6	308.1	13.8	10.9	-8.5	310.6	322.2	3.9	42.5	4.1	139.
100.9	31.5	3393.1	675.0	4.5	-6.7	306.3	13.6	11.4	-8.1	317.8	321.1	3.4	43.6	5.0	139.
120.0	35.8	3690.3	650.0	2.0	-6.5	302.6	13.6	11.4	-7.3	311.3	322.1	3.6	53.2	5.8	135.
130.0	38.3	4014.3	625.0	-1.0	-7.3	303.8	13.6	12.1	-8.1	311.3	321.9	3.5	62.2	6.7	134.
140.3	40.5	4339.0	600.0	-3.5	-8.8	308.5	13.0	10.9	-8.7	312.1	322.0	3.3	66.5	7.8	133.
150.4	43.4	4675.6	575.0	-5.5	-28.8	313.9	13.1	8.0	-7.7	315.9	318.4	0.7	14.4	8.6	133.
160.5	46.2	5025.5	550.0	-5.8	-28.9	323.2	10.4	6.2	-8.3	317.3	319.4	0.6	14.1	9.3	133.
170.7	49.0	5388.0	525.0	-8.1	-30.5	337.5	10.5	4.0	-9.7	314.7	320.7	0.6	14.3	10.0	134.
180.1	51.9	5766.3	500.0	-9.6	-32.2	330.6	12.2	6.9	-10.6	321.3	323.1	0.5	13.8	10.9	136.
190.3	54.8	6159.8	475.0	-12.9	-33.3	324.7	12.1	7.0	-9.8	323.0	323.7	0.5	16.1	11.7	137.
200.3	57.6	6570.3	450.0	-15.3	-34.1	313.9	15.1	10.9	-10.5	326.0	325.7	0.5	18.1	12.6	137.
210.6	60.9	6999.4	425.0	-18.5	-37.1	303.9	14.5	12.0	-8.1	325.3	325.6	0.4	17.4	14.1	136.
220.5	64.1	7448.5	400.0	-22.1	-40.0	297.6	14.7	13.0	-6.8	325.2	327.3	0.3	17.8	15.3	135.
230.1	67.4	7919.8	375.0	-25.5	-43.1	297.4	13.4	11.9	-6.2	327.9	329.8	0.2	17.3	16.7	134.
240.1	70.8	8416.2	350.0	-29.6	-46.3	303.3	13.5	11.3	-7.4	328.9	329.5	0.2	17.7	17.9	133.
250.5	74.5	8940.4	325.0	-33.7	-47.0	298.8	17.1	14.9	-8.5	330.2	332.4	0.2	24.6	19.4	132.
260.5	78.5	9496.6	300.0	-38.0	-47.6	300.9	21.3	18.3	-11.0	331.8	332.5	0.2	36.3	21.5	131.
270.3	82.5	10099.9	275.0	-43.0	99.9	302.6	20.7	17.5	-11.2	331.8	99.9	99.9	99.9	23.9	130.
280.5	86.7	10724.4	250.0	-48.7	99.9	303.6	21.3	17.8	-11.8	333.7	99.9	99.9	99.9	26.6	129.
290.9	91.4	11409.2	225.0	-53.5	99.9	315.9	24.2	16.9	-17.4	336.5	99.9	99.9	99.9	29.9	128.
300.5	96.4	12166.9	200.0	-58.3	99.9	298.3	22.4	15.8	-10.6	340.3	99.9	99.9	99.9	33.9	129.
310.3	101.8	13016.1	175.0	-58.1	99.9	290.6	14.7	13.7	-5.2	354.0	99.9	99.9	99.9	37.0	127.
320.3	107.8	13973.1	150.0	-63.0	99.9	294.5	13.0	11.9	-5.4	361.5	99.9	99.9	99.9	39.3	126.
330.3	114.5	15115.3	125.0	-58.4	99.9	278.1	14.7	14.5	-2.1	369.2	99.9	99.9	99.9	42.3	125.
340.7	122.0	16513.2	100.0	-60.0	99.9	294.9	13.2	12.0	-5.6	411.9	99.9	99.9	99.9	45.9	123.
350.2	130.8	18302.3	75.0	-59.5	99.9	274.3	3.6	3.6	-0.1	449.2	99.9	99.9	99.9	49.2	124.
360.8	140.0	20666.9	50.0	-56.7	99.9	82.2	3.8	-3.7	-0.5	502.8	99.9	99.9	99.9	49.2	124.
370.4	149.3	25402.0	25.0	-44.9	99.9	97.5	6.6	-6.5	0.9	653.2	99.9	99.9	99.9	47.8	125.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
HURON, SOUTH DAKOTA
11 JUNE 1976
1400 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.6	392.0	955.6	28.3	15.9	140.0	7.2	-4.6	5.5	305.4	338.2	12.0	47.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	10.1	444.3	950.0	28.0	15.6	140.4	11.8	-7.5	9.1	305.6	338.2	11.9	47.0	0.4	327.
0.9	12.1	680.3	925.0	25.6	14.2	143.0	10.9	-6.5	8.7	305.5	336.0	11.1	49.4	0.7	324.
1.8	14.3	921.0	900.0	23.8	14.8	153.8	12.4	-5.5	11.2	306.1	339.8	11.9	57.0	1.2	326.
2.6	16.4	1167.7	875.0	23.3	17.9	161.7	14.0	-4.6	13.6	309.0	339.8	11.5	55.6	1.9	311.
3.6	18.7	1420.5	850.0	23.0	9.5	160.0	13.6	-4.6	12.8	310.3	335.6	8.9	43.0	2.7	314.
4.5	20.8	1680.7	825.0	22.2	9.9	167.7	11.3	-2.4	11.1	312.0	339.6	9.3	45.7	3.4	315.
5.4	23.2	1947.4	800.0	20.1	9.2	171.8	10.5	-1.5	10.4	312.6	334.8	9.2	48.3	4.0	318.
6.3	25.5	2200.7	775.0	19.0	7.8	177.5	9.5	-0.4	9.5	313.2	337.9	8.6	51.2	4.5	340.
7.2	27.9	2500.3	750.0	16.1	7.0	189.1	7.1	1.1	7.0	314.1	331.5	5.9	56.4	4.9	341.
8.1	30.4	2787.5	725.0	13.9	-0.2	212.4	5.9	3.2	5.0	314.7	330.1	5.2	58.8	5.2	344.
9.2	33.0	3082.1	700.0	11.6	-0.5	226.4	5.9	4.4	3.9	315.4	321.1	5.3	61.1	5.4	347.
10.1	35.5	3385.2	675.0	9.1	-2.5	232.8	5.7	4.6	3.5	315.8	320.0	4.7	64.0	5.5	351.
11.2	38.1	3696.2	650.0	6.1	-4.1	230.1	5.2	4.0	3.3	315.9	327.0	4.4	68.0	5.7	354.
12.2	40.7	4016.2	625.0	3.2	-6.0	225.9	4.5	3.2	3.1	316.1	327.9	3.0	70.8	5.9	356.
13.3	43.6	4345.6	600.0	0.5	-9.6	246.7	3.7	3.4	1.5	316.7	326.2	3.1	74.6	6.0	358.
14.5	46.4	4685.7	575.0	-2.2	-13.4	244.6	3.9	3.5	1.7	317.5	324.9	2.3	78.0	6.1	3.
15.5	49.4	5037.2	550.0	-4.8	-18.6	231.1	2.7	2.1	1.7	318.4	323.6	1.6	81.0	6.2	2.
16.9	52.3	5401.5	525.0	-7.1	-24.6	211.5	3.3	1.7	2.8	319.9	323.2	1.0	83.6	6.3	3.
18.1	55.3	5780.5	500.0	-9.6	-31.7	205.1	6.7	4.8	4.8	321.4	327.0	1.7	87.4	6.7	5.
19.3	58.4	6174.3	475.0	-13.1	-38.5	231.6	7.9	6.2	4.0	321.7	326.9	1.6	91.0	7.1	8.
20.7	61.7	6583.9	450.0	-16.1	-45.7	227.8	10.4	7.7	7.0	323.0	327.5	1.4	95.3	7.7	12.
22.0	65.1	7011.8	425.0	-19.1	-52.3	225.1	9.0	6.4	6.3	324.5	329.0	1.0	99.1	8.3	15.
23.4	68.6	7460.1	400.0	-22.2	-59.7	214.4	4.9	5.3	7.1	326.2	329.5	1.0	103.7	9.0	17.
24.9	72.0	7930.6	375.0	-26.2	-67.7	231.5	9.8	7.7	6.1	327.0	329.2	0.6	108.0	9.8	19.
26.5	75.9	8425.6	350.0	-30.3	-76.9	236.4	9.4	7.8	5.1	328.0	329.9	0.2	112.9	10.5	22.
28.2	80.0	8947.8	325.0	-35.3	-86.9	246.8	9.6	8.9	3.9	329.0	329.9	0.1	118.0	11.1	25.
29.8	84.0	9501.2	300.0	-40.6	-97.9	231.3	16.9	14.8	8.1	329.5	329.9	0.9	123.9	12.2	29.
31.7	88.2	10092.0	275.0	-43.6	-109.0	228.5	17.5	13.1	11.4	332.1	329.9	0.9	130.9	13.0	32.
33.7	93.0	10720.0	250.0	-47.5	-121.9	237.9	15.5	13.1	8.2	335.5	329.9	0.9	138.9	13.3	34.
35.7	97.8	11477.4	225.0	-50.8	-135.9	245.9	22.6	20.7	9.3	340.6	329.9	0.9	147.9	14.0	38.
38.4	103.0	12178.5	200.0	-53.6	-149.9	260.5	23.2	22.9	3.2	347.9	329.9	0.9	157.9	15.2	44.
41.3	109.0	13030.4	175.0	-56.4	-164.9	252.7	27.3	26.1	8.1	356.8	329.9	0.9	168.9	16.6	49.
44.4	115.3	14007.9	150.0	-57.2	-179.9	256.1	14.9	14.4	3.6	371.6	329.9	0.9	180.9	18.9	53.
48.1	122.3	15144.9	125.0	-63.6	-204.9	274.1	13.3	13.2	-0.9	379.9	329.9	0.9	193.9	20.9	55.
52.5	130.3	16524.4	100.0	-62.1	-219.9	253.1	9.4	9.2	2.8	407.9	329.9	0.9	208.9	23.7	57.
58.1	139.0	18312.8	75.0	-59.9	-234.9	240.0	3.8	-2.1	-3.2	447.4	329.9	0.9	224.9	26.7	59.
65.7	149.4	20874.0	50.0	-54.0	-250.9	141.2	2.9	-1.4	-2.3	514.8	329.9	0.9	242.9	30.5	58.
77.4	158.4	25381.6	25.0	-45.5	-268.9	43.8	6.4	-6.3	-0.7	642.8	329.9	0.9	263.9	32.3	54.

* BY SP... MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

STATION NO. 655
ST. CLOUD, MINNESOTA11 JUNE 1976
1408 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	Q ₁₀ P ₁₀ T.G. C	Q ₁₀ P ₁₀ DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	8.4	315.0	969.9	24.0	21.3	120.0	1.6	-1.4	0.8	299.8	343.8	16.7	85.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
0.5	10.2	496.9	950.0	22.4	21.4	99.9	99.9	99.9	99.9	300.0	345.1	17.1	93.7	999.9	999.9
1.3	12.3	729.3	925.0	20.5	19.6	99.9	99.9	99.9	99.9	300.2	342.0	15.8	95.1	999.9	999.9
2.2	14.5	967.7	900.0	22.0	18.3	999.9	99.9	99.9	99.9	304.2	344.4	14.9	76.5	999.9	999.9
3.0	16.6	1212.7	875.0	20.3	16.7	999.9	99.9	99.9	99.9	304.9	342.4	13.8	79.7	999.9	999.9
3.9	19.0	1463.0	850.0	18.4	14.4	999.9	99.9	99.9	99.9	305.4	339.9	12.3	77.5	999.9	999.9
4.9	21.2	1719.1	825.0	17.5	13.7	999.9	99.9	99.9	99.9	307.1	324.4	6.1	36.8	999.9	999.9
5.9	23.7	1981.7	800.0	16.8	12.8	999.9	99.9	99.9	99.9	309.0	323.8	5.1	33.8	999.9	999.9
6.8	26.0	2251.7	775.0	16.5	-2.6	999.9	99.9	99.9	99.9	311.6	323.7	4.1	27.0	999.9	999.9
7.9	28.5	2529.6	750.0	14.2	-1.9	999.9	99.9	99.9	99.9	312.0	325.1	4.4	32.9	999.9	999.9
8.9	31.1	2814.5	725.0	12.2	-3.5	999.9	99.9	99.9	99.9	312.8	325.0	4.1	33.1	999.9	999.9
10.1	33.7	3106.9	700.0	9.0	-4.0	999.9	99.9	99.9	99.9	312.9	325.4	4.2	46.8	999.9	999.9
11.2	36.1	3406.8	675.0	6.4	-4.1	999.9	99.9	99.9	99.9	312.9	325.4	4.1	36.6	999.9	999.9
12.3	38.9	3715.0	650.0	3.4	-5.7	263.3	11.0	10.9	1.3	312.8	324.9	4.1	53.9	3.3	20.
13.4	41.4	4032.0	625.0	0.9	-6.3	256.3	11.7	11.4	2.4	313.5	325.0	3.8	56.7	3.7	31.
14.7	44.3	4358.8	600.0	-2.0	-9.6	246.6	12.9	11.9	4.9	313.9	323.3	3.1	56.0	4.6	39.
15.9	47.2	4655.8	575.0	-4.7	-15.7	240.6	13.1	11.4	6.4	314.4	320.6	2.0	42.0	5.4	43.
17.1	50.2	5044.0	550.0	-7.5	-14.5	241.9	10.9	9.7	5.1	315.2	322.2	2.3	57.5	6.2	45.
18.3	53.0	5407.2	525.0	-10.7	-14.8	240.1	9.4	8.6	4.0	315.6	322.8	2.3	71.4	6.9	48.
19.6	56.0	5778.0	500.0	-13.5	-14.7	242.9	6.4	5.7	2.9	316.6	324.2	2.4	81.0	7.5	49.
20.8	59.3	6167.3	475.0	-15.4	-15.4	211.7	2.6	1.4	2.2	318.9	326.6	2.4	100.0	7.8	50.
22.3	62.6	6574.0	450.0	-17.9	-18.0	180.4	4.9	0.0	4.9	320.7	327.3	2.1	90.6	8.0	48.
23.7	65.9	6969.8	425.0	-20.1	-24.5	183.2	5.5	0.3	5.5	321.2	327.3	1.2	68.2	8.3	46.
25.2	69.6	7446.7	400.0	-23.4	-29.3	174.4	7.9	-0.8	7.8	324.6	327.5	0.8	57.9	9.7	43.
26.8	73.0	7915.8	375.0	-26.5	-36.1	182.1	7.1	0.3	7.1	326.6	328.2	0.5	39.5	9.3	39.
28.6	76.9	8410.5	350.0	-30.4	-36.7	213.7	4.0	2.2	3.3	327.8	329.4	0.5	53.5	9.6	38.
30.3	80.8	8933.4	325.0	-34.3	-44.1	240.4	4.2	8.1	1.4	329.4	330.3	0.2	37.4	10.3	39.
32.1	85.0	9487.6	300.0	-38.4	-48.0	262.9	11.7	11.0	1.4	329.9	330.5	1.2	36.9	11.1	43.
33.9	89.2	10177.8	275.0	-43.8	99.9	250.0	14.6	14.3	2.4	331.2	999.9	99.9	999.9	12.3	47.
36.0	94.0	13709.8	250.0	-49.1	99.9	255.4	12.9	16.4	4.2	332.8	999.9	99.9	999.9	13.9	51.
38.3	98.8	11392.1	225.0	-54.5	99.9	244.4	22.4	22.3	2.2	334.9	999.9	99.9	999.9	16.4	56.
40.9	104.0	12144.5	200.0	-55.4	99.9	277.1	22.0	21.9	-2.7	345.1	999.9	99.9	999.9	18.4	62.
43.7	109.6	12989.6	175.0	-57.9	99.9	287.9	21.5	20.5	-6.6	354.4	999.9	99.9	999.9	22.1	69.
47.1	116.0	13957.3	150.0	-61.1	99.9	265.4	15.7	15.7	1.2	364.9	999.9	99.9	999.9	25.2	72.
50.7	123.0	15083.3	125.0	-62.1	99.9	253.9	15.7	14.1	-6.9	382.5	999.9	99.9	999.9	28.7	75.
55.3	130.8	16471.8	100.0	-61.9	99.9	257.1	10.0	9.8	7.2	408.2	999.9	99.9	999.9	31.5	78.
61.1	139.0	18253.4	75.0	-59.3	99.9	268.7	1.7	1.7	0.1	449.6	999.9	99.9	999.9	37.9	79.
68.9	147.7	20817.7	50.0	-55.3	99.9	50.1	4.1	-4.1	0.0	513.4	999.9	99.9	999.9	32.4	80.
80.7	156.7	23323.4	25.0	-47.4	99.9	59.5	6.4	-5.5	-3.3	649.0	999.9	99.9	999.9	29.1	80.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

* BY TIME MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662
RAPID CITY, SOUTH DAKOTA

11 JUNE 1976
1402 GMT

TIME MIN	CNTCT	HEIGHT CPM	PRES MB	TEMP DG C	UEW PT DG C	DIR DG	SPEED W/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.9	566.0	891.3	21.1	13.3	180.0	5.2	0.0	5.2	304.1	333.8	10.9	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	930.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	17.4	1126.0	875.0	20.5	11.2	99.9	99.9	99.9	99.9	305.1	331.6	9.6	55.1	99.9	99.9
1.6	19.9	1376.5	850.0	20.4	5.9	99.9	99.9	99.9	99.9	307.5	327.1	6.9	38.8	99.9	99.9
2.5	22.1	1534.4	825.0	21.2	-0.7	200.2	12.2	11.4	-8.2	311.0	324.1	4.4	23.3	0.8	48.
3.4	24.7	1901.1	800.0	22.3	-10.4	296.7	14.7	12.8	-7.3	314.9	321.5	2.1	10.0	1.3	60.
4.4	27.1	2175.1	775.0	20.3	-12.0	308.3	12.0	9.4	-7.5	315.6	321.8	2.0	10.2	2.0	97.
5.7	29.7	2456.1	750.0	17.9	-11.2	329.5	10.4	5.3	-9.0	316.0	322.8	2.2	12.7	2.5	106.
6.3	32.4	2744.4	725.0	15.5	-6.9	344.1	4.9	1.3	-4.7	316.5	323.1	3.1	20.6	2.8	114.
7.2	35.1	3040.4	700.0	13.0	-6.1	338.0	2.1	0.8	-2.0	316.9	323.5	3.5	25.8	2.9	117.
8.4	37.8	3344.4	675.0	10.1	-6.5	164.3	2.4	-0.6	2.3	317.0	323.7	3.5	30.4	2.9	117.
9.3	40.5	3656.6	650.0	7.3	-7.1	156.6	6.1	-2.4	5.6	317.5	323.9	3.5	35.1	2.8	113.
10.5	43.3	3978.1	625.0	4.9	-7.6	153.5	9.3	-4.2	8.3	318.1	324.8	3.5	39.7	2.4	104.
11.7	46.3	4309.7	600.0	2.4	-10.1	164.8	9.7	-2.6	9.4	318.9	324.2	3.0	39.1	2.0	87.
13.1	49.4	4652.1	575.0	-0.3	-12.1	175.0	9.5	-0.8	9.5	319.7	323.9	2.6	40.5	2.1	65.
14.6	52.3	5006.0	550.0	-3.6	-13.2	172.2	10.3	-1.4	10.2	319.9	323.8	2.5	47.1	2.5	46.
15.2	53.3	5371.5	525.0	-7.0	-16.6	177.7	11.8	-0.5	11.8	320.1	323.4	2.0	46.0	3.1	34.
17.0	58.5	5749.7	500.0	-10.7	-21.4	182.5	13.0	0.6	13.0	320.1	324.6	1.4	40.9	3.9	26.
18.4	61.9	6141.4	475.0	-14.5	-23.9	186.6	14.0	1.0	13.9	320.1	323.9	1.2	44.2	4.9	21.
19.7	65.3	6548.4	450.0	-18.3	-28.9	195.8	13.0	3.5	12.9	320.2	322.9	0.8	38.6	6.0	20.
21.3	68.9	6972.2	425.0	-21.7	-35.3	205.9	14.3	6.2	12.9	321.2	322.7	0.4	27.9	7.2	20.
23.0	72.3	7415.9	400.0	-24.9	-43.1	210.8	19.0	9.7	16.3	322.6	323.3	0.2	14.2	9.9	22.
24.9	76.2	7881.8	375.0	-28.5	-47.4	209.2	21.7	10.6	16.0	323.9	324.4	0.1	14.2	11.2	24.
26.7	80.3	8372.3	350.0	-32.4	-49.8	207.4	23.9	11.3	21.2	325.1	325.5	0.1	15.5	13.7	24.
28.6	84.2	8859.5	325.0	-37.1	-53.7	207.8	24.3	11.3	21.5	325.4	325.9	0.1	17.0	15.3	25.
30.3	88.5	9337.5	300.0	-41.6	-59.9	210.7	21.5	17.9	18.5	326.7	99.9	99.9	99.9	18.9	25.
32.4	92.2	10723.7	275.0	-45.5	-64.9	217.4	18.5	11.2	16.7	329.4	99.9	99.9	99.9	21.3	26.
34.5	97.9	10652.8	250.0	-49.3	-69.9	224.5	20.6	14.4	14.7	332.7	99.9	99.9	99.9	23.5	28.
37.0	102.8	11379.8	225.0	-51.3	-74.9	232.8	26.5	21.1	16.0	339.9	99.9	99.9	99.9	25.7	30.
39.7	108.5	12102.2	200.0	-53.0	-79.9	232.1	29.4	23.5	18.1	348.9	99.9	99.9	99.9	28.0	34.
42.6	114.3	12661.8	175.0	-54.1	-84.9	208.4	26.8	12.8	23.6	360.6	99.9	99.9	99.9	35.7	35.
45.7	120.8	13943.2	150.0	-57.1	-89.9	227.3	24.3	17.9	16.5	371.7	99.9	99.9	99.9	40.7	35.
49.5	128.3	15092.0	125.0	-59.9	-94.9	252.7	9.7	9.2	2.9	389.3	99.9	99.9	99.9	44.7	37.
53.8	136.3	16488.0	100.0	-60.7	-99.9	182.8	4.8	0.2	4.9	410.5	99.9	99.9	99.9	46.3	37.
58.9	144.7	18264.0	75.0	-60.5	-99.9	129.5	1.1	-0.9	0.7	446.1	99.9	99.9	99.9	47.4	36.
60.2	154.0	20300.0	50.0	-55.0	-99.9	50.9	4.7	-4.7	4.1	513.9	99.9	99.9	99.9	47.4	35.
77.8	164.0	25325.9	25.0	-48.3	-99.9	84.2	3.9	-3.9	-0.4	645.8	99.9	99.9	99.9	45.5	31.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 734
SAULT STE. MARIE, MICHIGAN

11 JUNE 1976
1503 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT T DG K	E PCT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.6	221.0	992.4	15.0	12.3	310.0	5.7	4.4	-3.7	289.8	313.7	9.2	84.0	9.0	0
99.9	99.9	99.9	1007.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	9.1	267.7	975.0	13.3	10.7	305.8	9.1	7.0	-5.8	289.6	310.1	8.3	84.1	0.2	133
1.3	10.4	486.4	952.0	12.6	11.7	324.5	13.5	7.8	-11.0	290.0	317.8	9.2	94.0	0.7	135
2.2	12.5	711.9	925.0	14.5	11.3	320.2	15.8	7.8	-13.7	294.2	319.3	9.1	80.9	1.5	143
3.2	14.9	943.2	900.0	12.8	10.4	321.1	15.3	9.6	-11.9	294.7	318.1	8.9	85.5	2.4	145
4.2	17.1	1180.8	875.0	13.5	8.8	312.9	17.2	12.6	-11.7	297.8	317.2	7.1	64.2	3.4	141
5.2	19.6	1425.2	850.0	13.1	-16.8	319.9	20.2	12.4	-15.5	300.5	312.9	4.4	47.8	4.5	140
6.2	22.0	1676.2	825.0	13.1	-5.2	322.6	20.8	12.6	-16.0	302.4	306.3	1.2	10.9	5.7	140
7.1	24.5	1934.1	800.0	11.7	-5.4	321.0	19.6	12.3	-15.3	304.7	314.4	3.3	30.3	6.9	141
8.1	26.8	2198.7	775.0	10.1	-22.3	320.6	21.5	13.6	-16.6	306.3	310.1	1.2	13.4	8.0	141
9.0	29.6	2470.5	750.0	8.7	-44.8	315.5	21.1	14.8	-15.1	309.7	309.0	0.1	1.0	9.1	141
10.1	32.2	2750.6	725.0	8.4	-45.3	309.6	18.7	14.4	-11.9	310.8	311.2	0.1	1.0	10.7	141
11.3	35.0	3039.4	700.0	7.5	-46.2	314.5	16.3	11.6	-11.4	312.5	312.8	0.1	1.0	12.0	140
12.7	37.6	3337.9	675.0	6.1	-47.0	314.2	18.2	13.0	-12.7	314.3	314.6	0.1	1.0	13.4	139
14.0	40.5	3645.8	650.0	4.7	-47.0	311.2	19.2	14.6	-12.5	315.2	315.4	0.1	1.0	14.7	139
15.2	43.3	3963.4	625.0	2.4	-48.5	310.6	19.2	14.7	-12.7	316.9	317.1	0.1	1.0	16.1	138
16.3	46.4	4291.6	600.0	0.6	-49.6	312.9	20.1	13.5	-11.9	318.2	318.4	0.1	1.0	17.5	137
17.6	49.5	4631.8	575.0	-1.6	-50.9	311.4	18.0	13.5	-11.9	318.2	318.4	0.1	1.0	18.8	137
18.9	52.5	4963.4	550.0	-4.9	-53.0	311.2	19.7	14.9	-12.0	318.3	318.5	0.0	1.0	20.4	136
20.3	55.7	5146.7	525.0	-8.2	-55.1	315.3	18.4	12.9	-12.1	318.6	318.7	0.0	1.0	22.0	136
21.8	59.0	5322.9	500.0	-11.1	-56.9	320.1	22.7	14.6	-12.4	319.6	319.7	0.0	1.0	23.7	136
23.4	62.4	5514.7	475.0	-14.0	-58.5	321.7	23.0	14.2	-12.0	320.6	320.7	0.0	1.0	25.0	137
24.9	65.7	5722.6	450.0	-17.1	-60.8	319.2	24.8	14.2	-12.8	321.7	321.8	0.0	1.0	26.2	137
26.4	69.0	5948.2	425.0	-20.7	-63.1	317.2	20.6	14.0	-15.1	322.4	322.5	0.0	1.0	27.2	137
28.2	73.0	6192.8	400.0	-24.8	-65.8	318.4	19.9	13.2	-16.9	322.7	322.8	0.0	1.0	28.3	137
29.8	77.0	6459.2	375.0	-29.1	-61.3	317.7	23.0	15.5	-17.0	323.1	323.2	0.0	2.7	29.3	137
31.5	80.9	6747.2	350.0	-33.4	-64.3	317.3	20.2	13.7	-16.7	323.7	323.8	0.0	2.7	30.7	137
33.4	85.1	6962.8	325.0	-37.6	-64.3	317.3	22.0	14.9	-16.1	324.4	324.9	0.0	4.2	32.0	137
35.4	89.5	7109.7	300.0	-42.5	-64.3	317.3	25.5	16.9	-19.0	325.5	325.9	59.9	99.9	41.8	137
37.5	94.2	7292.6	275.0	-45.9	-64.3	322.4	31.0	18.9	-24.6	326.8	326.8	99.9	99.9	45.1	136
39.8	99.0	7483.4	250.0	-47.8	-64.3	319.2	37.2	24.3	-28.2	335.0	335.0	99.9	99.9	49.7	136
42.2	104.0	7692.8	225.0	-51.7	-64.3	312.6	44.9	32.1	-30.8	339.3	339.3	99.9	99.9	55.6	136
44.9	109.8	7859.2	200.0	-51.4	-64.3	316.4	32.3	27.2	-23.5	351.4	351.4	99.9	99.9	62.1	137
48.0	115.4	8044.0	175.0	-51.4	-64.3	293.8	26.3	24.1	-16.6	361.7	361.7	99.9	99.9	66.6	136
51.3	122.0	8246.3	150.0	-56.3	-64.3	261.7	29.3	27.2	-10.8	369.6	369.6	99.9	99.9	71.6	136
55.2	128.8	8481.9	125.0	-56.7	-64.3	306.9	26.9	21.5	-16.2	392.3	392.3	99.9	99.9	77.4	136
59.8	136.3	8651.6	100.0	-57.0	-64.3	271.7	6.8	9.7	-2.2	417.7	417.7	99.9	99.9	81.7	133
65.9	143.8	8812.6	75.0	-57.4	-64.3	300.9	6.6	9.7	-3.4	452.6	452.6	99.9	99.9	84.5	132
74.5	152.3	8993.0	50.0	-53.6	-64.3	131.1	1.0	-0.7	0.6	517.3	517.3	99.9	99.9	85.5	132
88.7	161.5	9142.6	25.0	-46.3	-64.3	65.5	8.3	-7.6	-3.5	651.7	651.7	99.9	99.9	94.1	134

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
INTL. FALLS, MINNESOTA11 JUNE 1976
1501 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP SFC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.5	359.0	966.0	20.0	15.0	50.0	6.7	-5.1	-4.3	255.1	325.6	11.2	73.0	0.0	0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	8.6	502.9	950.0	18.0	13.9	69.8	6.3	-6.3	-0.0	295.5	323.4	10.6	77.0	0.2	275
0.9	10.8	730.8	925.0	15.9	13.9	100.5	7.4	-6.9	2.5	295.5	324.3	10.9	88.4	0.4	273
1.8	13.0	964.3	900.0	17.2	10.7	120.8	7.0	-5.4	4.5	250.2	323.7	9.1	65.7	0.8	291
2.6	15.1	1204.9	875.0	16.2	9.5	103.8	4.2	-4.1	1.0	303.7	317.9	6.2	47.1	1.0	294
3.4	17.2	1451.4	850.0	16.7	-3.1	54.5	1.5	-1.3	-0.9	303.5	314.0	3.5	25.0	1.2	290
4.2	19.5	1704.9	825.0	15.3	-3.8	318.7	2.5	1.6	-1.9	308.7	315.0	3.5	26.6	1.1	287
5.1	21.7	1964.5	800.0	13.8	-5.4	290.2	5.2	4.5	-2.5	305.9	313.0	2.4	19.2	0.9	28
6.0	24.1	2231.4	775.0	13.6	-15.5	305.7	9.0	7.3	-5.2	308.4	313.5	1.6	12.9	0.6	271
7.0	26.3	2507.0	750.0	12.5	-5.0	297.6	12.6	11.1	-5.8	310.2	312.8	3.6	29.5	0.3	190
7.8	28.8	2790.3	725.0	10.2	0.3	293.3	14.3	13.2	-5.7	310.6	320.3	5.4	50.1	0.9	135
8.9	31.3	3081.1	700.0	7.5	-2.2	293.8	14.2	13.0	-5.7	310.8	324.7	4.7	50.7	1.8	123
9.7	34.0	3379.5	675.0	5.6	-8.6	298.6	12.4	10.9	-5.9	311.9	320.9	3.0	35.2	2.4	121
10.7	36.4	3687.1	650.0	4.1	-16.4	293.2	10.4	9.5	-4.1	313.6	318.7	1.6	20.8	3.1	121
11.6	39.2	4004.8	625.0	2.0	-17.2	282.7	10.6	10.3	-2.3	318.7	319.8	1.6	22.5	3.6	119
12.6	41.8	4332.7	600.0	0.1	-23.5	277.3	10.9	10.9	-1.4	315.2	319.4	1.0	15.0	4.2	116
13.7	44.8	4671.8	575.0	-2.9	-25.9	278.0	10.6	10.5	-1.5	310.6	319.3	0.8	15.0	4.9	113
14.8	47.8	5021.9	550.0	-5.6	-27.0	275.9	11.3	11.3	-1.2	312.4	320.0	0.8	16.7	5.6	111
16.0	50.7	5395.0	525.0	-8.2	-27.0	274.5	13.2	13.2	-1.0	318.5	321.1	0.7	19.1	6.4	109
17.2	53.7	5762.1	500.0	-10.6	-26.9	266.7	12.1	12.1	0.7	320.2	322.4	0.6	18.7	7.3	107
18.4	56.9	6154.3	475.0	-13.4	-32.5	262.5	8.5	8.5	1.1	321.4	323.2	0.5	18.0	8.1	104
19.8	60.3	6567.9	450.0	-16.1	-36.1	283.2	8.0	7.8	-1.3	323.0	324.4	0.4	15.9	8.7	103
21.2	63.9	6991.1	425.0	-19.7	-37.7	250.8	10.1	9.5	-3.6	323.7	324.9	0.3	18.4	9.5	104
22.5	67.3	7437.8	400.0	-23.5	-41.3	237.5	13.1	7.6	-3.0	324.5	325.4	0.2	17.5	10.3	105
24.1	71.0	7907.0	375.0	-26.6	-46.0	254.2	10.6	10.3	-2.6	324.5	327.1	0.2	13.9	11.2	104
25.5	75.0	8401.4	350.0	-30.4	-48.6	291.5	11.8	11.0	-4.3	327.8	329.3	0.1	14.8	12.2	105
27.1	79.2	8824.0	325.0	-34.7	-50.3	290.1	15.8	13.8	-7.7	328.9	329.3	0.1	18.5	13.5	106
28.9	83.4	9477.7	300.0	-39.5	-52.9	300.0	16.6	14.4	-8.3	320.7	329.9	99.9	99.9	15.2	107
30.6	87.8	10066.8	275.0	-44.2	-54.9	295.6	17.0	15.3	-7.4	331.2	329.9	99.9	99.9	16.9	109
32.7	92.8	10698.8	250.0	-49.5	-58.9	292.4	14.7	13.6	-5.6	332.6	329.9	99.9	99.9	18.8	109
34.8	99.0	11380.5	225.0	-55.2	-62.9	288.9	17.2	16.3	-5.6	334.0	329.9	99.9	99.9	20.9	109
37.2	103.7	12126.5	200.0	-58.3	-65.3	278.3	17.6	15.5	-8.3	340.5	329.9	99.9	99.9	23.3	109
40.8	105.9	12963.6	175.0	-58.6	-65.9	255.5	24.1	21.6	-10.4	353.2	329.9	99.9	99.9	26.5	110
43.0	116.0	13930.5	150.0	-58.2	-68.9	278.8	21.7	21.4	-3.7	360.8	329.9	99.9	99.9	30.6	109
46.6	123.5	15083.2	125.0	-59.5	-69.9	273.6	19.1	19.1	-1.2	367.1	329.9	99.9	99.9	34.4	108
50.9	131.3	16495.4	100.0	-56.4	-69.9	306.4	19.8	8.3	-4.9	414.9	329.9	99.9	99.9	38.3	108
56.4	139.7	18309.5	75.0	-57.6	-69.9	294.1	5.5	5.0	-2.2	452.2	329.9	99.9	99.9	42.1	109
64.2	148.0	20884.9	50.0	-52.8	-62.9	49.2	5.4	-4.1	-2.5	519.2	329.9	99.9	99.9	40.9	111
76.9	157.0	25414.7	25.0	-45.5	-62.9	91.0	9.3	-8.3	0.1	653.7	329.9	99.9	99.9	35.9	112

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 764
BISMARCK, NORTH DAKOTA11 JUNE 1976
1400 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCMF M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	11.0	503.0	943.1	20.6	12.9	150.0	4.1	-2.1	3.6	298.7	325.3	9.9	61.0	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	12.7	671.2	925.0	22.2	10.4	167.0	10.7	-2.4	10.4	303.0	325.7	6.6	47.4	0.3	33.4
1.2	14.0	910.0	900.0	22.8	9.7	189.2	7.5	1.2	7.4	305.1	329.5	8.5	43.3	0.7	34.4
2.2	17.2	1154.7	875.0	21.1	8.4	228.2	9.8	7.1	6.8	305.9	328.0	8.0	44.0	1.0	4.
3.0	19.5	1405.8	850.0	22.0	4.8	248.5	12.2	11.4	4.5	302.2	327.5	6.4	32.7	1.4	23.
4.1	21.8	1664.5	825.0	21.0	3.2	256.7	11.9	11.6	2.7	313.8	327.8	5.9	31.0	2.0	42.
4.1	21.8	1664.5	825.0	21.0	3.2	256.7	11.9	11.6	2.7	313.8	327.8	5.9	31.0	2.0	42.
5.1	24.3	1928.4	800.0	17.8	3.9	248.2	9.0	8.4	3.4	310.2	328.5	6.4	29.7	2.6	49.
6.3	26.7	2200.0	775.0	15.2	4.1	250.5	8.4	7.9	2.8	310.2	328.3	6.7	47.7	3.1	53.
7.6	29.2	2477.1	753.0	13.3	3.1	247.9	9.0	8.1	4.0	311.0	329.5	6.4	49.6	3.9	55.
9.0	31.9	2761.3	725.0	10.6	2.2	237.7	10.6	9.0	5.7	311.7	329.1	6.2	45.9	4.6	56.
10.0	34.6	3052.9	700.0	8.3	0.7	227.6	11.7	8.7	7.9	311.7	329.5	5.4	60.1	6.1	54.
11.1	37.1	3352.7	675.0	6.4	-0.8	208.3	11.1	5.3	9.3	312.8	329.8	5.7	75.3	6.7	51.
12.3	40.0	3661.2	650.0	3.5	-0.4	200.6	10.2	3.6	5.6	313.0	329.6	5.7	90.2	7.5	47.
13.7	42.6	3978.2	625.0	0.4	-1.0	192.0	12.1	2.5	11.9	312.9	329.6	5.2	93.1	8.5	41.
15.2	45.6	4304.9	600.0	-1.8	-2.7	181.8	14.7	0.5	14.7	315.1	329.5	4.0	79.4	9.7	35.
17.0	48.6	4642.9	575.0	-3.9	-6.9	174.5	15.3	-1.5	15.3	315.5	327.4	3.5	80.7	10.8	30.
18.5	51.6	4992.7	550.0	-6.4	-9.1	170.1	14.7	-1.0	14.7	315.6	327.3	3.2	94.9	11.7	27.
19.7	54.9	5355.2	525.0	-8.8	-10.9	161.9	14.8	0.5	14.9	317.8	327.6	2.3	67.7	12.6	26.
21.2	57.9	5732.1	500.0	-10.9	-15.7	151.7	14.2	0.4	14.2	319.8	325.9	1.5	52.9	13.6	23.
22.8	61.4	6124.7	475.0	-13.4	-21.0	141.5	13.4	0.3	13.4	321.4	326.4	0.9	35.7	14.9	22.
23.8	65.0	6534.3	450.0	-15.8	-27.1	135.6	14.9	1.5	14.9	323.0	327.3	1.0	50.2	16.4	20.
25.5	68.4	6962.6	425.0	-19.5	-27.1	125.5	14.9	3.0	14.0	324.0	327.5	0.9	46.3	18.1	19.
27.6	72.0	7409.5	400.0	-23.3	-29.5	115.5	14.9	2.6	14.6	324.7	327.4	0.4	39.6	19.6	19.
29.3	76.0	7878.4	375.0	-27.0	-36.6	103.5	11.1	1.6	10.3	325.9	327.4	0.3	44.4	20.3	18.
30.9	80.1	8371.2	350.0	-31.8	-38.8	191.1	8.3	1.6	8.2	325.9	327.1	0.3	59.6	21.2	16.
32.7	84.2	8890.6	325.0	-35.2	-40.3	219.9	8.2	5.2	6.3	325.1	329.4	0.2	52.1	22.0	20.
34.5	88.5	9447.8	300.0	-39.6	-45.6	237.2	6.4	7.1	4.6	327.6	333.4	99.9	99.9	23.1	21.
36.6	93.4	10033.2	275.0	-44.4	-49.3	219.9	12.4	8.2	9.9	331.0	99.9	99.9	99.9	25.3	23.
39.1	98.2	10664.3	250.0	-49.7	-49.7	227.8	15.2	11.3	10.2	332.1	99.9	99.9	99.9	27.2	26.
41.9	103.4	11344.2	225.0	-54.3	-49.9	240.5	15.1	13.2	7.5	332.2	99.9	99.9	99.9	29.1	28.
44.2	109.3	12093.3	200.0	-53.0	-49.9	233.5	17.7	14.2	10.0	343.9	99.9	99.9	99.9	31.6	31.
47.7	115.3	12957.6	175.0	-53.7	-49.9	230.2	20.2	15.5	12.9	341.3	99.9	99.9	99.9	33.5	35.
51.3	122.0	13618.4	150.0	-57.9	-49.9	253.9	19.7	18.9	5.5	370.3	99.9	99.9	99.9	41.8	38.
55.6	137.7	15077.9	125.0	-59.3	-49.9	252.7	17.9	17.3	4.4	387.6	99.9	99.9	99.9	44.3	40.
60.9	145.7	16274.0	100.0	-60.7	-49.9	231.5	9.9	7.7	6.2	410.6	99.9	99.9	99.9	45.8	42.
67.9	154.3	18274.0	75.0	-58.7	-49.9	166.7	2.5	-0.6	2.4	449.9	99.9	99.9	99.9	45.5	41.
76.9	154.3	20852.0	50.0	-53.4	-49.9	87.5	3.2	-3.2	-0.1	516.8	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG.

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

STAT. ON NO. 768
ALASGOA, MONTANA

11 JUNE 1976
1403 GMT

146 13. 0

TIME MIN	CNCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIF DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE AZ KN	DG
0.0	12.2	696.0	922.0	17.2	13.9	320.0	7.7	4.9	-5.9	297.2	326.1	10.9	81.0	0.0	0.
00.9	08.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
05.9	09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09.9	09.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09.9	09.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.7	14.1	902.4	900.0	15.6	11.8	311.8	9.7	7.3	-6.5	297.6	323.6	9.8	78.4	0.5	139.
1.6	16.0	1141.2	975.0	14.3	10.2	306.6	8.2	6.6	-4.9	298.6	322.8	9.0	76.5	1.0	134.
2.6	18.3	1386.0	850.0	13.6	7.9	325.3	5.0	2.8	-4.1	300.4	321.9	7.9	68.9	1.4	134.
3.7	20.4	1638.3	825.0	13.4	4.9	321.5	5.9	3.7	-4.6	302.8	321.3	6.6	56.5	1.7	136.
4.6	22.6	1896.6	800.0	11.4	3.5	334.8	4.3	1.8	-3.9	303.3	323.6	6.2	58.3	2.0	137.
5.8	24.9	2101.4	775.0	9.8	2.1	26.5	2.4	-1.1	-2.2	304.3	320.6	5.8	58.6	2.2	140.
6.7	27.1	2433.6	750.0	8.5	0.7	350.7	0.9	0.1	-0.9	305.9	321.2	5.4	57.9	2.2	144.
7.8	29.5	2715.3	725.0	9.9	-4.3	245.5	7.9	7.2	3.3	310.4	321.8	3.9	36.4	2.3	139.
8.9	32.1	3006.3	700.0	9.2	-9.6	247.6	12.5	11.6	4.8	312.7	323.8	2.6	25.4	2.6	122.
9.9	34.6	3306.2	675.0	6.8	-11.3	248.4	12.7	11.9	4.6	313.2	320.6	2.4	26.1	2.6	110.
11.1	37.0	3614.8	650.0	4.7	-12.9	254.2	12.4	11.9	3.4	314.3	321.1	2.2	26.4	3.9	102.
12.3	39.7	3933.0	625.0	1.9	-12.3	243.0	11.1	9.9	5.0	314.7	322.1	2.4	26.0	4.7	97.
13.5	42.2	4200.6	600.0	-1.0	-11.5	221.3	11.0	7.1	8.3	315.0	323.1	2.6	44.7	5.2	91.
14.7	45.0	4558.4	575.0	-4.0	-12.7	210.5	13.8	7.0	11.9	315.3	323.1	2.5	50.6	5.7	83.
15.1	47.9	4947.2	550.0	-7.1	-14.2	210.1	14.3	7.2	12.4	315.7	323.0	2.3	56.7	6.6	74.
15.5	50.7	5309.2	525.0	-10.5	-16.5	216.1	16.0	9.5	12.9	315.9	322.1	2.0	61.2	7.5	69.
16.8	53.6	5652.1	500.0	-12.5	-12.0	217.1	19.0	11.4	15.2	317.9	319.8	0.4	10.1	9.7	64.
20.4	58.4	6072.4	475.0	-14.9	-39.1	209.9	19.8	9.9	17.1	318.6	320.6	0.3	11.6	10.3	59.
21.8	59.6	6478.3	450.0	-18.8	-39.3	209.4	22.4	10.7	19.7	319.6	320.7	0.3	16.0	12.0	54.
23.4	63.3	6971.0	425.0	-22.1	-37.7	205.4	22.4	9.6	20.3	320.7	321.9	0.3	22.6	13.9	50.
25.0	66.3	7383.5	400.0	-25.7	-41.6	208.2	24.3	11.5	21.4	321.5	322.4	0.2	20.8	16.1	47.
28.7	69.9	7807.0	375.0	-30.1	-44.1	205.5	26.4	11.4	23.8	321.9	322.5	0.2	23.9	18.5	44.
28.6	73.3	8204.6	350.0	-33.6	-49.3	202.3	27.9	10.6	25.8	323.5	324.0	0.1	18.5	21.4	41.
30.6	77.3	8811.0	325.0	-37.3	-52.5	197.0	10.9	9.0	26.5	325.1	325.5	0.1	18.3	24.8	38.
32.8	81.0	9359.3	300.0	-41.1	99.9	190.9	27.4	5.1	26.9	327.4	993.9	99.9	999.9	28.4	35.
35.7	85.3	9844.7	275.0	-46.2	99.9	141.0	27.2	0.7	27.1	324.4	993.9	99.9	999.9	31.8	32.
37.4	89.6	10571.9	250.0	-51.0	99.9	176.2	29.0	-0.4	29.0	330.3	993.9	99.9	999.9	34.9	28.
39.4	94.4	11248.5	225.0	-56.4	99.9	182.9	28.3	4.4	27.9	332.1	993.9	99.9	999.9	38.8	26.
42.8	99.5	11997.6	200.0	-61.6	99.9	205.8	25.7	11.2	23.1	347.9	993.9	99.9	999.9	42.9	24.
46.0	104.8	12844.4	175.0	-60.8	99.9	217.2	21.2	12.8	16.9	366.0	993.9	99.9	999.9	47.9	25.
49.5	110.8	13858.3	150.0	-54.3	99.9	218.6	15.9	9.9	12.4	376.5	993.9	99.9	999.9	51.8	27.
53.7	117.5	15034.7	125.0	-52.1	99.9	218.6	9.7	6.0	7.6	400.7	993.9	99.9	999.9	55.8	27.
58.6	125.3	16463.7	100.0	-56.3	99.9	199.4	8.4	2.8	7.9	419.0	993.9	99.9	999.9	58.1	29.
65.1	134.0	18250.7	75.0	-56.2	99.9	54.3	1.1	-1.1	0.1	455.0	993.9	99.9	999.9	59.3	28.
73.5	142.7	20871.0	50.0	-54.5	99.9	121.3	5.3	-4.6	2.4	455.3	993.9	99.9	999.9	59.1	27.
99.9	152.3	25413.6	25.0	-44.4	99.9	105.9	9.5	-9.1	2.4	451.8	993.9	99.9	999.9	59.1	21.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 775
GREAT FALLS, MONTANA11 JUNE 1976
1406 GMT

135 18. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	15.1	1118.0	880.0	12.8	8.9	140.0	2.6	-1.7	2.0	295.6	318.5	8.2	77.0	0.0	0.
00.9	09.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.9	09.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02.9	09.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03.9	09.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04.9	09.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05.9	09.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
06.9	09.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
07.9	09.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
08.9	09.9	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
09.9	09.9	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.9	09.9	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
11.9	09.9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
12.9	09.9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
13.9	09.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
14.9	09.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
15.9	09.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
16.9	09.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
17.9	09.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
18.9	09.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
19.9	09.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20.9	09.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.9	09.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
22.9	09.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
23.9	09.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
24.9	09.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
25.9	09.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
26.9	09.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
27.9	09.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
28.9	09.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29.9	09.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30.9	09.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
31.9	09.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
32.9	09.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
33.9	09.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
34.9	09.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.9	09.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.9	09.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.9	09.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.9	09.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.9	09.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40.9	09.9	99.9	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY T-MP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY S-CED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC. ALABAMA
11 JUNE 1976
1450 GMT

143 61.0 0

TIME MIN	CNTCT	HEIGHT GPM	PRES WB	TEMP DG C	DEW PT DG C	DIR DG	W/SEC	U COMP W/SEC	V COMP W/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	47 DG
0.0	6.3	180.0	944.3	26.7	15.4	320.0	0.5	0.3	-0.4	300.4	330.3	11.2	50.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	8.0	351.6	975.0	22.1	15.3	120.3	0.3	-0.3	0.1	297.4	327.4	11.3	65.3	0.1	52.
1.4	10.2	577.4	950.0	21.0	13.5	223.9	1.6	1.1	1.2	293.5	326.2	10.4	62.3	0.1	52.
2.4	12.3	807.6	925.0	18.9	10.6	227.4	1.4	1.0	0.9	298.6	323.3	8.8	58.7	0.2	49.
3.4	14.5	1042.9	900.0	17.8	10.3	233.4	0.6	0.5	0.2	293.9	323.7	8.8	61.6	0.3	49.
4.4	16.6	1283.3	875.0	15.5	6.8	322.8	0.3	0.2	-0.3	302.5	322.1	8.2	64.5	0.3	51.
5.5	19.0	1528.7	850.0	11.7	6.9	29.9	0.3	-0.2	-0.3	302.5	320.7	7.4	63.5	0.3	55.
6.5	21.1	1778.7	825.0	11.5	4.4	74.8	0.4	-0.4	-0.1	302.7	318.4	6.4	61.7	0.2	56.
7.7	23.6	2036.6	800.0	10.2	1.3	227.6	0.3	0.2	0.2	302.1	316.9	5.3	53.7	0.3	52.
8.7	25.8	2300.1	775.0	8.4	-0.7	117.9	0.2	-0.2	0.1	303.8	316.2	4.7	52.9	0.3	53.
9.7	28.3	2570.1	750.0	6.2	-7.6	143.7	0.5	-0.4	0.5	303.3	315.5	4.2	53.2	0.3	46.
10.8	31.0	2847.0	725.0	4.0	-5.2	43.5	0.7	-0.7	-0.1	303.8	314.3	3.6	51.2	0.3	37.
12.0	33.6	3133.5	700.0	4.4	-17.5	45.4	0.9	-0.6	-0.6	307.8	312.1	1.4	18.2	0.2	24.
13.3	36.1	3425.2	675.0	4.1	-20.2	242.0	1.1	1.0	0.5	310.3	313.9	1.1	14.9	0.2	34.
14.6	38.9	3714.9	650.0	2.2	-19.3	225.7	1.5	1.1	1.1	311.5	315.5	1.3	19.0	0.3	42.
15.0	41.6	4049.8	625.0	-0.8	-21.4	222.5	2.9	1.9	2.1	311.6	315.1	1.1	15.2	0.4	42.
17.3	44.4	4374.0	600.0	-3.5	-21.1	220.0	3.9	2.7	2.8	312.0	315.8	1.2	24.2	0.7	42.
18.6	47.4	4709.4	575.0	-5.0	-20.6	225.8	4.2	3.0	2.9	313.1	316.3	0.7	16.2	1.4	44.
19.9	50.4	5057.1	550.0	-7.6	-20.8	223.4	3.7	2.5	2.7	315.1	317.3	0.6	16.2	1.4	44.
21.4	53.4	5417.7	525.0	-9.7	-20.9	216.3	2.6	1.6	2.0	315.4	318.7	0.5	15.7	1.7	43.
23.0	56.4	5792.7	500.0	-11.6	-37.2	246.1	2.3	2.1	0.9	318.6	320.2	0.5	15.0	1.9	44.
24.5	59.7	6164.0	475.0	-13.0	-34.1	242.5	3.5	3.4	0.4	320.7	322.1	0.4	15.1	2.1	43.
26.2	63.1	6592.8	450.0	-16.3	-31.5	251.1	5.3	5.0	1.7	322.8	324.6	0.5	21.4	2.5	57.
27.9	66.5	7021.4	425.0	-17.9	-31.6	261.7	5.3	5.3	0.4	324.0	324.6	0.5	29.0	3.0	57.
29.6	70.3	7472.0	400.0	-21.1	-28.2	267.9	5.4	5.4	0.2	327.5	331.8	0.9	52.8	3.5	62.
31.5	74.0	7944.7	375.0	-24.4	-33.4	252.6	8.5	8.1	2.5	328.0	333.2	0.6	46.6	4.1	65.
33.5	78.0	8440.5	350.0	-26.4	-35.7	245.6	9.9	8.0	0.7	330.5	332.3	0.5	44.2	5.3	67.
35.5	82.0	8949.0	325.0	-31.1	-40.2	273.3	9.6	9.6	-0.5	331.0	333.3	0.1	48.5	5.4	71.
37.7	86.2	9527.5	300.0	-37.3	-45.4	272.2	5.9	5.9	-0.2	332.9	333.7	0.2	41.9	7.5	74.
39.9	90.8	10127.4	275.0	-42.2	-49.1	250.5	7.9	7.4	2.6	336.1	339.9	99.9	99.9	8.4	75.
42.4	95.7	10759.0	250.0	-47.1	-50.9	242.7	5.0	7.0	3.9	338.5	343.9	99.9	99.9	8.5	74.
44.9	100.8	11446.3	225.0	-52.1	-50.7	253.2	11.3	10.8	3.7	338.6	343.9	99.9	99.9	11.1	72.
47.6	106.8	12202.0	200.0	-55.9	-50.9	275.7	15.2	15.1	-1.5	343.3	347.9	99.9	99.9	13.0	75.
50.4	112.8	13045.2	175.0	-58.5	-50.9	245.1	16.7	15.7	-2.8	351.6	353.9	99.9	99.9	15.4	79.
53.5	119.7	14003.1	150.0	-64.6	-50.9	274.1	14.7	14.7	-1.1	360.5	353.9	99.9	99.9	18.2	82.
57.0	126.8	15125.4	125.0	-64.5	-50.9	274.1	14.7	14.7	-0.8	378.2	353.9	99.9	99.9	20.5	84.
61.0	135.0	16480.0	100.0	-64.8	-50.9	274.1	14.7	14.7	-0.5	398.6	353.9	99.9	99.9	23.5	85.
66.0	143.0	18216.8	75.0	-64.8	-50.9	274.1	14.7	14.7	-3.3	435.3	353.9	99.9	99.9	24.2	86.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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* BY TEMP MEANS TEMPERATURE OR
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* BY TEMP MEANS TEMPERATURE OR
** BY SPEED MEANS ELEVATION AND

STATION NO. 77001
 UNIV. OF TENNESSEE

 11 JUNE 1976
 1421 GMT

157 15. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO GM/KG	PM PCT	RANGE 4M	AZ DG
0.7	7.2	300.0	979.5	25.6	19.9	0.3	0.0	0.0	0.0	300.5	340.8	14.2	71.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	7.6	340.5	975.0	23.9	18.4	293.2	1.0	1.0	-0.4	299.2	336.0	13.9	71.5	0.0	35.
1.0	9.7	567.0	950.0	21.8	16.4	301.6	2.2	1.8	-1.1	299.3	333.3	12.8	73.1	0.1	100.
1.8	11.5	798.8	925.0	21.3	13.7	317.2	3.2	2.2	-2.4	301.1	333.0	10.7	70.7	0.2	125.
2.8	13.7	1035.7	900.0	19.1	12.0	314.3	3.3	2.2	-2.5	301.2	327.9	9.9	63.5	0.4	129.
3.7	15.7	1277.3	875.0	16.8	10.6	311.6	3.4	2.1	-2.6	301.3	326.5	9.3	67.0	0.6	132.
4.6	17.8	1523.9	850.0	14.6	10.4	319.2	3.6	1.0	-3.0	301.5	327.7	9.7	77.9	0.8	135.
5.6	20.1	1775.9	825.0	12.6	7.0	325.5	3.7	2.1	-3.1	301.9	323.1	7.7	68.9	1.0	138.
6.7	22.2	2033.6	800.0	10.4	5.2	327.2	3.2	1.8	-2.4	302.2	321.5	7.0	70.1	1.2	139.
7.7	24.5	2297.4	775.0	8.5	2.7	314.2	2.6	1.9	-1.8	303.0	319.9	6.0	66.4	1.4	140.
8.9	26.8	2568.0	750.0	6.8	0.3	271.4	2.0	2.0	-0.1	304.0	318.9	5.3	63.5	1.5	138.
9.8	29.1	2845.7	725.0	4.9	-4.1	211.3	1.7	0.9	-1.5	304.9	315.2	3.9	51.8	1.6	133.
11.0	31.6	3132.2	700.0	5.3	-12.4	180.4	0.7	0.0	0.7	309.3	314.8	2.1	27.0	1.5	130.
12.3	34.1	3428.7	675.0	4.3	-15.2	136.7	1.2	0.5	-1.1	310.5	315.9	1.7	22.5	1.5	130.
13.1	36.5	3734.6	650.0	2.3	-17.1	102.5	2.2	1.9	-1.2	311.6	314.4	1.5	22.1	1.6	131.
14.4	39.2	4045.8	625.0	-0.3	-15.4	65.7	2.8	2.7	-0.3	312.1	317.4	1.8	25.8	1.6	129.
15.7	41.7	4374.7	600.0	-3.1	-12.4	32.2	3.8	3.2	-2.1	312.5	317.9	1.7	25.5	2.0	127.
17.1	44.5	4710.7	575.0	-4.3	-21.4	105.1	5.3	4.3	-3.0	315.0	318.4	1.0	21.7	2.5	127.
18.4	47.4	5056.9	550.0	-6.4	-22.9	297.7	4.2	3.7	-2.0	316.5	320.1	1.1	21.5	2.8	126.
19.6	50.4	5422.0	525.0	-8.9	-27.3	301.1	3.8	3.3	-2.0	317.8	323.3	0.8	21.8	3.1	125.
20.9	53.3	5787.9	500.0	-10.9	-29.1	315.7	3.0	2.8	-2.5	319.7	322.1	0.7	21.7	3.4	124.
22.3	56.3	6191.4	475.0	-13.4	-30.1	12.7	5.4	3.1	-4.4	321.4	313.7	0.7	21.8	3.8	127.
23.6	59.6	6559.5	450.0	-16.3	-33.2	32.1	6.1	3.7	-4.3	322.8	314.4	0.4	21.8	4.3	129.
24.8	63.0	7028.1	425.0	-17.7	-30.8	34.3	7.3	2.7	-6.4	325.3	317.6	0.7	30.7	4.9	132.
26.2	66.7	7479.1	400.0	-20.6	-29.2	333.9	8.7	2.4	-9.3	325.3	317.6	0.6	45.6	5.4	135.
27.4	69.7	7953.2	375.0	-24.5	-34.7	316.7	11.4	4.5	-10.5	329.2	321.4	1.1	37.9	6.3	139.
30.3	73.5	9451.7	350.0	-28.8	-32.7	341.5	11.7	3.3	-11.2	323.9	321.4	0.7	68.8	7.4	142.
31.6	77.3	8978.2	325.0	-32.4	-37.4	344.0	12.4	3.4	-12.0	332.1	333.9	0.5	50.7	8.5	145.
33.6	81.4	9519.3	300.0	-36.6	-43.1	351.3	12.1	1.8	-11.9	333.8	334.8	0.3	50.4	9.9	148.
35.6	85.7	10134.4	275.0	-41.7	-49.9	345.4	12.0	3.0	-11.4	334.8	933.9	93.4	99.9	11.2	151.
37.6	90.5	10773.1	250.0	-47.2	-59.9	330.8	13.8	4.3	-9.4	335.9	999.9	99.9	99.9	12.7	152.
39.9	95.5	11461.6	225.0	-52.4	-69.9	313.6	9.6	4.3	-8.4	338.3	959.9	99.9	99.9	14.1	152.
42.3	100.4	12217.0	200.0	-54.9	-69.9	354.2	20.0	2.1	-20.4	346.0	999.9	99.9	99.9	16.0	153.
45.0	107.1	13063.8	175.0	-58.2	-99.9	356.8	22.0	1.2	-21.9	353.8	999.9	99.9	99.9	18.1	158.
48.0	113.7	14025.8	150.0	-60.5	-99.9	353.9	20.2	2.2	-20.1	365.8	959.9	99.9	99.9	22.6	162.
51.2	121.0	15155.9	125.0	-63.6	-91.0	124.4	15.0	1.5	-14.9	379.8	999.9	99.9	99.9	25.6	162.
54.3	129.7	16524.5	100.0	-63.8	-91.9	345.9	9.6	2.4	-9.3	404.5	999.9	99.9	99.9	28.5	164.
60.6	138.7	18202.7	75.0	-64.5	-99.9	48.8	5.1	-3.9	-3.4	437.7	999.9	99.9	99.9	30.2	167.
67.8	148.5	20793.4	50.0	-59.3	-99.9	65.8	4.2	-3.9	-1.4	506.1	999.9	99.9	99.9	30.2	169.
70.7	159.0	25278.4	25.0	-46.5	-99.9	95.8	7.4	-7.4	0.7	650.0	999.9	99.9	99.9	28.8	175.

* PV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

* TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

11 June 1976

1800 GMT

STATION NO. 349
HONETT, MISSOURI11 JUNE 1976
1715 GMT

TIME MIN	CHTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	9.3	438.0	961.7	26.3	16.3	220.0	5.2	3.3	4.0	302.6	335.0	12.2	5.0	0.0	0.0
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	10.3	545.7	950.0	24.1	13.5	218.3	8.0	5.0	6.3	301.6	329.6	10.3	51.7	0.4	31.0
1.5	12.5	778.5	925.0	21.9	13.4	212.6	9.1	4.9	7.6	301.7	330.3	10.6	58.6	0.6	35.0
2.4	14.8	1015.8	903.0	19.6	12.1	213.9	10.7	6.0	8.9	301.7	328.6	10.0	62.1	1.4	33.0
3.4	17.0	1257.8	875.0	17.8	10.4	217.2	8.9	5.4	7.1	302.2	327.1	9.1	61.4	2.0	34.0
4.3	19.5	1505.8	850.0	17.0	6.5	196.6	7.4	2.1	7.2	304.0	324.1	7.2	50.0	2.4	33.0
5.2	21.7	1760.6	825.0	18.6	-14.3	172.3	7.3	-1.0	7.2	308.2	313.1	1.6	9.7	2.7	30.0
6.2	24.3	2024.1	800.0	17.6	3.3	156.1	6.4	-2.6	5.9	309.9	327.5	6.1	38.5	3.0	23.0
7.1	26.7	2294.7	775.0	15.8	3.8	171.6	4.3	-0.6	4.2	310.9	329.6	6.5	44.4	3.2	20.0
8.1	29.3	2572.1	750.0	13.3	3.1	195.3	3.9	1.0	3.7	311.1	329.6	6.4	50.0	3.5	19.0
9.1	32.1	2856.4	725.0	10.8	3.2	213.0	3.5	1.9	2.9	311.3	330.5	6.7	59.4	3.7	19.0
10.1	34.8	3148.4	700.0	8.7	3.1	244.8	3.5	3.2	1.5	312.1	331.9	6.9	67.9	3.9	21.0
11.1	37.4	3448.7	675.0	6.3	2.3	270.5	4.0	4.0	-0.0	312.7	332.2	6.7	75.3	4.0	24.0
12.2	40.3	3757.3	650.0	3.7	-0.7	281.1	4.9	4.8	-0.9	313.1	329.6	5.6	73.0	4.1	27.0
13.3	43.0	4075.6	625.0	2.6	-4.5	299.3	6.0	5.2	-2.9	315.4	328.6	4.1	59.2	4.2	32.0
14.4	46.1	4404.1	600.0	-0.3	-8.1	318.8	7.7	5.1	-5.8	315.8	326.4	3.5	55.5	4.1	39.0
15.8	49.3	4743.2	575.0	-3.2	-10.7	325.1	7.9	4.5	-6.5	316.3	325.3	2.9	55.9	4.0	46.0
16.9	52.1	5093.9	550.0	-5.1	-12.8	337.6	7.0	2.7	-6.5	318.0	326.1	2.6	54.7	4.0	55.0
18.3	55.4	5458.2	525.0	-7.4	-14.9	345.2	6.2	2.1	-7.9	319.6	326.9	2.3	55.1	3.7	64.0
19.5	58.6	5837.1	500.0	-9.1	-27.1	334.1	8.3	3.6	-7.4	321.9	324.7	0.8	21.4	3.7	74.0
20.9	62.1	6232.5	475.0	-10.9	-20.4	316.0	6.9	4.8	-5.0	324.5	330.0	1.7	47.6	3.9	82.0
22.4	65.6	6647.4	450.0	-12.4	-33.2	300.1	10.3	8.9	-5.2	327.7	329.6	0.5	16.0	4.5	88.0
23.8	69.3	7081.0	425.0	-15.6	-31.9	290.4	14.8	13.9	-5.2	329.0	331.2	0.6	22.3	5.6	94.0
25.6	72.9	7535.7	400.0	-17.8	-43.9	285.2	13.3	12.8	-3.5	331.8	332.5	0.2	8.1	7.0	97.0
27.4	77.0	8015.1	375.0	-21.2	-44.4	293.2	13.5	12.4	-5.3	333.5	334.3	0.2	10.2	8.4	98.0
29.1	81.0	8520.8	350.0	-24.9	-47.1	306.8	16.1	12.9	-9.6	335.1	335.7	0.2	10.6	9.8	102.0
30.8	85.3	9054.5	325.0	-30.0	-49.2	308.8	21.0	16.4	-13.2	335.3	335.8	0.1	13.4	11.5	106.0
32.7	89.8	9618.2	300.0	-35.1	-51.6	311.4	22.9	17.2	-15.2	335.4	336.3	0.1	16.7	13.8	110.0
34.5	94.6	10218.8	275.0	-39.5	-59.9	302.9	27.5	23.0	-14.9	338.0	339.9	0.9	99.9	16.5	113.0
36.7	99.5	10764.1	250.0	-44.5	-69.9	300.7	29.5	25.4	-15.1	339.9	339.9	99.9	99.9	20.2	115.0
39.2	104.8	11559.8	225.0	-50.5	-99.9	295.4	32.4	29.3	-13.9	341.1	339.9	99.9	99.9	24.6	115.0
41.7	110.4	12325.9	200.0	-53.1	-99.9	300.3	32.1	27.8	-16.1	346.7	339.9	99.9	99.9	29.6	115.0
44.5	116.5	13172.0	175.0	-59.8	-99.9	295.5	28.1	25.4	-12.1	351.2	339.9	99.9	99.9	34.9	116.0
47.9	123.3	14125.7	150.0	-63.0	-99.9	285.8	30.6	29.4	-8.3	361.6	339.9	99.9	99.9	40.7	115.0
51.2	130.5	15237.1	125.0	-64.3	-99.9	310.8	14.3	10.8	-9.3	374.9	339.9	99.9	99.9	45.6	115.0
55.4	138.3	16572.2	100.0	-68.2	-99.9	317.0	6.5	4.4	-4.8	394.1	339.9	99.9	99.9	48.4	114.0
59.6	146.0	18004.4	75.0	-65.2	-99.9	196.3	4.1	1.2	4.0	436.2	339.9	99.9	99.9	48.6	114.0
64.2	155.0	20830.1	50.0	-57.4	-99.9	312.7	0.6	0.5	-0.4	508.2	339.9	99.9	99.9	48.3	115.0
79.2	163.7	28320.0	25.0	-48.4	-99.9	115.6	8.6	-7.8	3.7	646.3	339.9	99.9	99.9	48.8	116.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

11 JUNE 1976
1700 GMT

149 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP CG C	DEW PT CG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCUP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	8.1	298.0	977.0	28.9	16.5	280.3	4.1	4.0	-0.7	304.1	337.1	12.2	47.0	0.0	0.
0.9	9.9	99.9	1000.0	99.9	99.9	99.9	9.9	99.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	8.3	316.3	975.0	28.8	16.3	272.8	4.4	4.4	-0.2	304.2	337.0	12.1	46.9	0.1	15.
0.6	10.3	567.2	950.0	27.0	15.4	254.2	6.2	6.3	1.7	304.6	336.5	11.7	49.1	0.3	81.
1.2	12.3	87.2	925.0	27.3	13.7	267.7	6.2	6.2	0.3	304.2	333.5	10.7	51.6	0.5	80.
1.7	14.3	121.6	900.0	22.1	13.0	263.8	6.3	6.3	0.7	304.3	333.1	10.5	56.3	0.7	84.
2.4	14.3	123.5	875.0	10.3	11.4	261.2	6.6	6.5	1.0	303.8	330.5	9.7	60.1	1.0	82.
3.7	18.6	154.1	850.0	16.7	11.2	260.9	7.4	7.3	1.2	303.7	330.9	9.9	70.2	1.3	82.
4.2	20.9	167.9	825.0	14.4	10.3	264.5	8.3	8.3	0.2	303.8	330.1	9.6	76.3	1.8	82.
5.1	23.3	202.0	800.0	13.4	6.8	294.4	7.6	6.9	-3.1	305.4	327.2	7.8	64.4	2.2	86.
8.2	25.3	229.1	775.0	12.2	4.3	313.7	7.8	5.7	-5.4	307.0	325.0	6.7	58.2	2.7	93.
7.3	27.8	259.6	750.0	10.7	3.5	327.3	7.6	4.1	-6.4	308.3	327.1	6.6	61.0	3.0	100.
8.4	30.3	283.4	725.0	8.3	1.9	328.1	8.1	4.3	-6.9	309.6	326.0	6.1	63.9	3.4	107.
9.3	32.8	314.7	700.0	6.7	-4.3	332.8	9.0	4.0	-8.0	309.9	321.8	4.0	45.6	3.7	112.
10.2	35.3	343.0	675.0	5.9	-10.3	342.8	9.1	2.7	-8.7	312.2	327.1	2.6	30.1	4.1	117.
11.2	37.8	376.7	650.0	3.3	-7.4	350.2	8.3	1.4	-8.2	312.7	323.9	3.4	45.5	4.4	122.
12.2	40.4	403.4	625.0	0.8	-10.5	350.6	8.0	1.3	-7.9	313.4	321.8	2.8	42.5	4.7	126.
13.3	43.0	439.7	600.0	-1.7	-15.5	349.0	8.3	1.6	-8.2	314.2	320.1	1.9	37.8	5.2	131.
14.6	45.9	472.0	575.0	-3.5	-25.7	339.6	10.5	3.7	-9.8	315.8	318.6	0.0	16.0	5.7	135.
15.8	48.9	507.1	550.0	-5.4	-28.1	325.6	10.9	5.5	-9.4	317.7	320.0	0.7	14.8	6.6	137.
17.2	51.6	541.2	525.0	-6.6	-32.3	338.5	10.4	3.8	-9.6	320.6	322.2	0.5	10.7	7.4	139.
18.6	54.8	582.0	500.0	-8.4	-32.1	341.2	11.2	3.6	-10.6	322.9	324.7	0.5	12.6	8.2	141.
19.8	57.7	621.7	475.0	-10.9	-33.2	342.4	9.9	3.0	-10.4	324.3	326.2	0.5	13.9	9.0	143.
21.2	61.0	663.0	450.0	-14.0	-36.2	338.3	9.9	3.7	-9.2	325.6	327.0	0.4	13.2	9.7	144.
22.7	64.4	708.1	425.0	-17.6	-35.7	342.9	11.9	3.5	-11.4	326.4	327.9	0.4	18.8	10.6	146.
24.3	67.7	751.7	400.0	-21.5	-41.2	341.0	13.7	4.5	-12.9	327.0	327.9	0.3	14.9	11.9	147.
25.9	71.1	793.7	375.0	-25.2	-44.0	340.3	12.2	4.1	-11.5	328.3	329.0	0.2	15.3	13.1	149.
27.6	75.0	840.1	350.0	-29.8	-47.6	343.0	11.4	3.3	-10.9	329.6	329.1	0.1	15.7	14.2	150.
29.6	78.9	904.5	325.0	-33.9	-50.4	349.4	15.5	2.8	-15.2	330.0	330.4	0.1	16.9	15.9	151.
31.4	82.8	952.9	300.0	-36.4	-52.8	349.3	9.3	1.6	-9.1	334.1	334.4	0.1	16.4	17.3	153.
33.6	87.0	1016.2	275.0	-40.7	-59.9	14.1	15.1	-3.7	-14.6	336.3	99.9	99.9	99.9	18.3	155.
35.6	91.8	1082.9	250.0	-44.0	-59.9	16.1	14.9	-5.3	-16.1	337.7	99.9	99.9	99.9	20.0	159.
37.7	96.4	1149.3	225.0	-51.0	-59.9	14.6	10.4	-2.6	-10.1	340.4	99.9	99.9	99.9	21.4	162.
40.2	101.6	1225.3	200.0	-54.9	-59.9	320.6	17.3	11.0	-13.4	345.9	99.9	99.9	99.9	23.0	162.
43.2	107.5	1310.5	175.0	-57.1	-59.9	316.8	16.7	11.4	-12.2	345.7	99.9	99.9	99.9	20.4	159.
46.4	113.5	1408.3	150.0	-60.8	-59.9	320.5	12.9	8.2	-9.9	345.4	99.9	99.9	99.9	29.3	157.
49.8	120.3	1519.9	125.0	-59.6	-59.9	320.2	15.2	9.8	-11.7	387.1	99.9	99.9	99.9	32.3	155.
54.3	128.0	1657.8	100.0	-63.3	-59.9	304.7	5.7	4.7	-3.2	405.5	99.9	99.9	99.9	33.9	154.
59.3	136.0	1836.1	75.0	-61.7	-59.9	313.7	5.2	3.8	-3.6	443.5	99.9	99.9	99.9	35.3	153.
66.7	144.0	2090.4	50.0	-55.3	-59.9	72.3	5.2	-4.9	-1.4	513.1	99.9	99.9	99.9	35.4	153.
77.9	152.3	2540.0	25.0	-47.4	-59.9	97.5	6.7	-6.6	0.9	648.7	99.9	99.9	99.9	34.1	158.

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALE, ILLINOIS11 JUNE 1976
1700 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RM PCT	RANGE KM	AZ DEG
0.0	7.0	175.0	991.4	29.0	17.5	240.0	3.6	3.1	1.8	302.9	337.5	12.8	50.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	0.5	323.2	975.0	27.2	13.3	214.0	3.6	2.0	3.0	302.5	329.5	9.9	42.3	0.2	30.
1.5	10.6	552.2	950.0	24.9	13.8	217.0	4.3	2.6	3.0	302.5	331.1	10.5	50.1	0.4	36.
2.3	13.1	785.7	925.0	23.0	13.7	230.5	5.0	3.9	3.2	302.4	331.9	10.7	55.7	0.6	36.
3.1	15.4	1024.1	900.0	20.9	13.3	239.7	5.2	4.5	2.6	303.1	332.3	10.8	61.6	0.8	42.
3.8	17.8	1267.0	875.0	18.3	12.0	241.0	4.5	4.0	2.2	302.8	330.4	10.1	66.6	1.0	46.
4.8	20.3	1515.1	850.0	16.0	13.2	239.7	4.7	4.1	2.4	302.9	332.6	11.3	83.3	1.3	49.
5.7	22.7	1768.6	825.0	14.1	9.0	256.0	3.9	3.8	0.9	303.5	328.0	6.9	72.6	1.6	51.
6.6	25.2	2028.8	800.0	14.0	5.2	271.1	0.1	0.1	-0.9	306.1	325.7	7.0	55.5	1.7	54.
7.6	27.7	2296.2	775.0	12.5	2.6	69.7	2.2	-2.1	-0.8	307.3	325.3	6.0	50.6	1.5	53.
8.6	30.4	2570.9	750.0	11.3	0.6	78.5	1.7	-1.7	-0.3	308.9	325.3	5.4	47.7	1.4	50.
9.7	33.2	2853.7	725.0	9.8	-0.4	61.8	2.3	-2.0	-1.1	310.3	325.2	5.1	48.7	1.3	48.
10.7	35.8	3144.4	700.0	7.9	-2.4	31.4	2.9	-1.5	-2.5	311.3	324.8	4.6	47.9	1.1	48.
11.6	38.6	3433.3	675.0	5.6	-5.0	5.5	3.9	-0.4	-3.9	312.0	323.6	3.9	46.1	1.0	54.
12.7	41.3	3751.2	650.0	4.2	-11.5	341.7	5.2	1.6	-5.0	313.7	321.3	2.4	30.8	0.9	69.
13.8	44.3	4068.6	625.0	1.8	-27.7	344.0	6.9	1.9	-6.7	314.5	317.1	0.8	11.0	1.0	94.
14.9	47.3	4396.8	600.0	0.7	-49.5	354.9	5.6	0.5	-5.8	316.9	317.2	0.1	1.0	1.2	118.
16.1	50.3	4737.2	575.0	-1.2	-50.7	4.7	4.4	-0.4	-4.4	318.7	318.9	0.1	1.0	1.6	129.
17.4	53.4	5089.8	550.0	-3.4	-52.1	3.9	3.8	-0.3	-3.8	320.0	320.2	0.1	1.0	1.6	140.
18.6	56.4	5455.2	525.0	-6.2	-53.9	20.5	3.3	-1.2	-3.1	321.0	321.1	0.0	1.0	1.6	145.
19.9	59.9	5834.7	500.0	-9.0	-55.6	32.1	2.0	-1.0	-1.7	322.1	322.2	0.0	1.0	1.9	152.
21.2	63.3	6259.4	475.0	-11.5	-57.2	9.1	1.5	-0.2	-1.5	323.6	323.9	0.0	1.0	1.9	154.
22.6	66.7	6643.6	450.0	-14.3	-59.0	332.5	4.1	1.9	-3.6	325.2	325.4	0.0	1.0	2.1	155.
23.9	70.4	7071.7	425.0	-18.2	-61.5	330.2	6.3	3.1	-5.5	325.6	325.7	0.0	1.0	2.6	154.
25.4	74.1	7523.1	400.0	-19.7	-62.4	322.8	9.0	5.4	-7.1	329.4	329.5	0.0	1.0	3.2	153.
26.9	78.2	7999.4	375.0	-22.8	-64.5	325.5	9.0	5.1	-7.4	331.4	331.5	0.0	1.0	4.1	151.
28.4	82.0	8502.3	350.0	-26.1	-66.6	332.3	7.5	3.5	-6.6	333.6	333.6	0.0	1.0	4.8	150.
30.3	86.2	9033.9	325.0	-30.4	-69.5	335.9	5.5	2.2	-5.0	334.7	334.8	0.0	1.0	5.5	151.
32.0	90.7	9537.3	300.0	-35.5	-72.3	303.2	7.1	5.9	-3.9	335.4	335.4	0.0	1.1	6.1	150.
34.0	95.4	10196.6	275.0	-40.3	-79.9	298.6	9.9	6.7	-4.7	336.9	336.9	99.9	99.9	7.0	146.
36.1	100.3	10840.1	250.0	-45.3	-89.9	302.1	12.1	10.2	-6.4	338.8	338.8	99.9	99.9	8.2	141.
38.3	105.5	11534.3	225.0	-50.9	-99.9	319.4	16.6	12.2	-14.3	340.6	340.6	99.9	99.9	10.2	140.
40.6	111.0	12291.2	200.0	-55.3	-99.9	315.5	20.3	14.2	-14.5	345.2	345.2	99.9	99.9	13.3	140.
43.2	117.0	13140.5	175.0	-57.9	-99.9	317.9	27.2	18.2	-20.2	354.4	354.4	99.9	99.9	16.6	138.
46.1	124.0	14104.6	150.0	-61.6	-99.9	320.3	23.0	14.7	-17.7	363.9	363.9	99.9	99.9	21.3	139.
49.3	131.0	15228.1	125.0	-62.8	-99.9	323.2	24.1	14.4	-19.3	381.3	381.3	99.9	99.9	26.2	138.
53.5	139.0	16593.6	100.0	-64.1	-99.9	267.8	4.0	4.0	0.2	403.8	403.8	99.9	99.9	29.2	139.
58.6	147.0	18349.6	75.0	-62.6	-99.9	195.6	1.1	0.3	1.0	441.7	441.7	99.9	99.9	29.8	137.
64.2	156.0	20866.1	50.0	-55.8	-99.9	79.1	2.5	-2.5	-0.5	511.9	511.9	99.9	99.9	29.6	138.
70.0	165.0	25376.7	25.0	-47.2	-99.9	104.7	9.9	-9.6	3.5	648.9	648.9	99.9	99.9	27.4	143.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

11 JUNE 1976
1715 GMT

TIME MIN	ONTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCNP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.6	791.0	915.3	33.3	17.0	190.0	12.4	2.2	12.2	314.3	352.5	13.5	38.0	0.0	0.0
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.4	15.0	941.9	905.0	29.1	11.2	211.0	9.6	5.0	8.3	311.5	338.1	9.4	33.1	0.4	23.0
1.1	17.0	1192.2	875.0	27.1	10.5	194.0	10.4	2.5	10.1	311.9	337.9	9.1	35.4	0.8	24.0
1.9	19.4	1447.6	850.0	24.8	10.0	204.6	11.5	4.8	10.5	312.2	335.1	9.1	38.1	1.3	20.0
2.6	21.5	1708.4	825.0	22.9	8.1	210.2	12.0	6.1	10.4	312.8	336.6	8.3	39.0	1.8	22.0
3.4	23.8	1970.5	800.0	22.8	1.8	213.4	11.7	6.5	9.8	315.5	331.7	5.5	28.9	2.3	25.0
4.2	26.0	2251.5	775.0	20.5	-1.9	208.6	10.8	9.1	9.5	315.9	329.8	4.3	22.1	2.9	26.0
5.1	28.5	2533.3	750.0	18.3	-6.4	204.3	9.1	3.7	8.3	316.5	326.3	3.2	18.2	3.4	26.0
6.2	31.0	2822.3	725.0	16.4	-10.8	210.8	5.4	4.6	8.1	317.5	324.8	2.3	14.4	4.0	26.0
7.1	33.6	3119.0	700.0	13.6	-13.1	216.9	9.4	5.9	7.3	317.5	323.8	2.0	14.3	4.6	27.0
8.1	36.0	3423.2	675.0	10.9	-14.8	223.7	5.9	7.2	6.8	317.8	323.6	1.8	14.9	5.1	29.0
9.1	38.7	3736.2	650.0	8.2	-13.4	226.3	10.2	7.4	7.1	318.3	325.0	2.1	20.0	5.7	31.0
10.0	41.2	4050.1	625.0	4.9	-11.7	222.1	10.1	6.8	7.5	318.1	325.9	2.5	28.8	6.2	32.0
11.1	44.0	4388.9	600.0	1.5	-10.2	221.4	10.4	6.9	7.8	317.9	326.4	2.7	38.0	6.9	33.0
12.2	46.9	4730.1	575.0	-1.7	-10.2	221.9	9.9	6.6	7.4	318.0	327.5	3.1	52.2	7.5	34.0
13.3	49.9	5081.9	550.0	-5.0	-11.1	221.8	10.6	7.1	7.9	319.2	327.5	3.0	62.1	8.2	34.0
14.4	52.6	5443.9	525.0	-7.9	-17.1	222.9	11.2	7.6	8.3	319.0	325.1	1.9	47.3	9.0	35.0
15.8	55.7	5823.0	500.0	-11.2	-20.0	222.9	11.0	7.5	8.1	319.4	324.4	1.6	47.6	9.8	36.0
17.1	58.8	6215.0	475.0	-13.1	-24.1	220.7	11.2	7.2	8.6	321.8	323.3	0.4	15.3	10.7	36.0
18.4	62.0	6625.4	450.0	-15.2	-34.6	217.1	12.1	7.3	9.6	324.1	325.7	0.4	17.2	11.6	36.0
19.8	65.4	7058.8	425.0	-18.3	-43.4	216.0	12.0	7.1	9.7	325.6	326.3	0.2	8.9	12.6	36.0
21.2	68.9	7505.2	400.0	-20.3	-45.8	215.6	12.6	7.4	10.3	325.7	329.3	0.2	6.1	13.7	36.0
22.8	72.3	7981.5	375.0	-22.6	-47.2	231.7	15.1	11.8	9.3	331.7	332.2	0.1	4.5	14.9	37.0
24.3	76.1	8484.0	350.0	-26.4	-48.9	237.3	14.2	15.3	9.6	333.2	333.7	0.1	9.8	16.4	39.0
26.0	80.1	9015.2	325.0	-30.5	-51.8	238.5	17.3	16.1	6.3	334.7	335.0	0.1	10.7	18.0	41.0
27.7	84.2	9579.2	300.0	-35.5	-52.8	244.6	22.3	20.1	9.6	335.4	335.8	0.1	14.9	19.9	43.0
29.3	88.3	10177.7	275.0	-40.6	99.9	245.4	23.6	21.4	9.8	336.4	999.9	99.9	999.9	22.0	45.0
31.1	93.0	10821.8	250.0	-44.5	99.9	242.5	24.2	21.5	11.2	340.0	999.9	99.9	999.9	24.6	48.0
33.1	97.8	11519.4	225.0	-48.6	99.9	247.3	25.1	23.1	9.7	344.0	999.9	99.9	999.9	27.6	49.0
35.5	103.0	12286.7	200.0	-53.1	99.9	255.3	26.6	23.8	6.2	348.7	999.9	99.9	999.9	30.5	52.0
37.9	109.0	13137.5	175.0	-58.4	99.9	251.7	25.7	24.4	8.1	353.6	999.9	99.9	999.9	34.0	54.0
40.4	115.0	14094.1	150.0	-62.2	99.9	247.3	25.3	23.3	9.8	362.9	999.9	99.9	999.9	37.8	56.0
43.5	124.0	15208.0	125.0	-67.2	99.9	247.5	19.0	17.5	7.2	373.3	999.9	99.9	999.9	40.9	57.0
47.2	129.7	16554.6	100.0	-67.5	99.9	252.3	7.1	6.8	2.2	397.3	999.9	99.9	999.9	44.1	58.0
52.1	138.0	18301.1	75.0	-60.3	99.9	230.8	5.7	5.2	4.3	446.6	999.9	99.9	999.9	46.9	58.0
59.2	146.7	20839.7	50.0	-56.5	99.9	177.3	5.6	-0.3	5.6	510.5	999.9	99.9	999.9	48.3	55.0
71.2	156.0	25328.1	25.0	-47.2	99.9	182.2	3.7	0.1	3.7	649.1	999.9	99.9	999.9	48.8	53.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS11 JUNE 1976
1700 GMT

149 51.0

0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.8	268.0	977.0	28.3	19.8	160.0	6.2	-2.1	5.8	303.5	343.9	15.1	60.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	8.0	266.2	975.0	26.0	16.5	99.9	99.9	99.9	99.9	301.4	334.2	12.2	55.7	999.9	999.9
0.9	10.2	914.9	950.0	24.0	15.8	99.9	99.9	99.9	99.9	301.5	333.9	12.0	60.4	999.9	999.9
1.7	12.4	748.3	925.0	23.7	15.2	99.9	99.9	99.9	99.9	303.5	335.8	11.0	59.1	999.9	999.9
2.5	14.6	989.0	900.0	25.4	11.8	99.9	99.9	99.9	99.9	307.7	334.9	9.8	42.7	999.9	999.9
3.4	16.8	1236.0	875.0	23.8	10.0	202.8	6.4	2.5	5.9	308.5	333.5	8.9	41.6	1.1	11.
4.3	19.2	1488.6	850.0	21.9	6.8	183.6	4.9	0.3	4.9	309.1	330.0	7.3	37.7	1.4	12.
5.1	21.5	1747.2	825.0	20.4	4.5	178.4	5.3	-0.1	5.3	310.2	328.7	6.4	35.0	1.6	10.
6.0	24.0	2012.0	800.0	18.9	2.7	173.4	7.2	-0.8	7.1	311.4	326.3	5.8	33.8	2.0	7.
6.9	26.3	2283.6	775.0	16.8	2.3	195.6	6.3	1.7	6.1	311.8	324.9	5.8	31.8	2.3	6.
7.9	28.0	2591.9	750.0	14.3	6.9	218.4	8.2	5.1	6.4	312.1	324.1	6.4	30.9	2.7	10.
8.7	31.7	2847.6	725.0	11.8	5.5	229.0	9.5	7.2	6.2	312.4	325.0	7.9	65.2	3.1	14.
9.6	34.5	3140.7	700.0	9.4	4.0	232.8	11.4	9.1	6.9	312.9	324.0	7.3	69.1	3.5	21.
10.6	37.1	3441.7	675.0	7.2	2.5	235.5	12.6	10.4	7.1	313.8	323.7	6.8	71.9	4.2	26.
11.6	40.1	3751.7	650.0	5.0	0.5	241.8	13.1	11.5	6.2	314.6	322.7	6.1	72.8	4.9	31.
12.8	42.9	4070.9	625.0	2.7	-2.7	248.1	14.2	13.2	5.3	315.5	322.5	5.0	67.7	5.7	36.
14.2	46.0	4399.9	600.0	0.3	-8.8	252.4	15.5	14.8	4.7	316.5	326.6	3.3	50.2	6.7	42.
15.4	49.3	4739.7	575.0	-2.5	-12.1	253.5	14.6	14.0	4.4	317.0	325.2	2.6	47.5	7.7	47.
16.4	52.4	5091.1	550.0	-5.1	-14.7	259.1	11.3	11.1	2.1	318.1	325.1	2.2	46.6	8.5	49.
17.5	55.7	5455.8	525.0	-6.7	-31.4	274.7	6.6	9.5	-0.8	320.4	322.2	0.5	12.0	8.9	52.
18.5	59.3	5834.2	500.0	-10.2	-34.4	276.7	8.7	8.6	-1.0	320.6	322.0	0.4	11.7	9.3	54.
19.8	63.0	6228.7	475.0	-11.0	-40.0	276.9	11.2	11.1	-1.3	324.4	325.3	0.2	7.8	9.9	57.
21.3	66.5	6641.5	450.0	-14.3	-36.6	272.3	15.3	15.3	-0.6	325.2	326.8	0.4	13.4	10.9	61.
22.9	70.4	7072.0	425.0	-17.6	-44.3	278.3	12.7	12.6	-1.9	326.5	327.1	0.2	7.8	12.1	65.
24.7	74.5	7522.4	400.0	-20.8	-48.9	265.4	13.4	13.4	1.1	328.0	328.4	0.1	6.0	13.2	68.
26.2	78.8	7997.3	375.0	-23.2	-50.3	257.9	16.2	15.9	3.4	330.9	331.3	0.1	6.3	14.6	69.
27.7	83.2	8458.9	350.0	-26.5	-56.8	265.5	14.1	14.0	1.1	333.9	333.2	0.3	3.8	15.9	69.
29.4	87.6	9030.3	325.0	-30.7	-56.7	263.3	18.2	17.7	-4.2	334.4	334.6	0.1	5.7	17.2	71.
31.2	92.4	9593.4	300.0	-35.3	-56.7	285.7	27.2	26.2	-7.4	335.6	335.8	0.1	9.1	19.3	76.
33.3	97.3	10192.9	275.0	-40.2	99.9	283.5	31.7	30.8	-7.4	337.0	999.9	99.9	999.9	22.8	80.
35.9	102.8	10836.0	250.0	-45.6	99.9	278.2	39.1	37.7	-5.4	338.3	999.9	99.9	999.9	27.9	85.
38.5	108.2	11524.8	225.0	-51.0	99.9	277.2	34.3	38.0	-4.8	340.4	999.9	99.9	999.9	33.5	87.
41.1	114.0	12289.0	200.0	-55.6	99.9	282.9	29.2	28.4	-6.5	344.8	999.9	99.9	999.9	38.9	89.
43.9	120.3	13131.0	175.0	-59.8	99.9	243.8	24.4	26.3	-2.9	351.3	999.9	99.9	999.9	43.1	89.
47.3	127.0	14087.8	150.0	-63.1	99.9	264.4	29.7	29.5	2.9	361.4	999.9	99.9	999.9	49.2	89.
51.0	134.0	15199.0	125.0	-66.1	99.9	289.1	21.7	20.5	-7.1	375.2	999.9	99.9	999.9	55.5	89.
55.1	140.8	16501.3	100.0	-65.6	99.9	247.2	8.9	8.2	3.5	401.0	999.9	99.9	999.9	58.2	90.
60.0	147.8	18244.0	75.0	-61.7	99.9	242.1	1.9	1.6	0.9	439.5	999.9	99.9	999.9	59.4	89.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
DENVER, COLORADO

11 JUNE 1976
1707 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	20.6	1611.0	826.8	28.6	-17.3	210.0	11.9	5.9	10.3	318.6	322.5	1.2	4.7	0.0	0.
99.9	99.9	99.9	1007.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	20.7	1630.7	820.0	28.1	-15.2	205.5	12.6	5.7	11.4	319.3	323.0	1.4	5.1	0.2	9.
1.2	23.1	1899.6	800.0	24.0	-11.7	205.6	16.6	7.2	15.0	316.8	323.0	2.0	8.4	1.3	24.
2.3	25.4	2175.1	775.0	21.3	-13.3	211.3	14.8	7.7	12.7	316.7	322.4	1.8	8.6	2.3	26.
3.4	27.7	2457.0	750.0	18.7	-12.4	213.8	13.4	7.4	11.1	316.9	323.2	2.0	11.0	3.2	28.
4.4	30.2	2745.6	725.0	15.7	-12.5	213.9	10.5	6.0	8.6	316.7	323.0	2.0	13.1	3.9	29.
5.5	32.7	3041.4	700.0	12.9	-13.0	211.7	10.9	5.7	9.3	316.8	323.1	2.0	15.1	4.6	30.
6.3	35.3	3345.0	675.0	10.0	-15.1	217.0	10.8	6.5	8.6	316.8	322.4	1.7	15.4	5.1	30.
7.3	37.7	3656.6	650.0	7.0	-18.6	221.7	11.2	7.4	8.3	316.9	321.3	1.3	14.0	5.8	31.
8.4	40.4	3977.1	625.0	4.3	-23.1	218.4	13.4	9.6	12.0	317.4	320.5	0.9	11.4	6.5	32.
9.7	43.0	4307.4	600.0	1.8	-24.4	218.7	15.4	12.6	19.2	318.2	321.1	0.9	12.2	8.1	33.
11.4	45.8	4649.8	575.0	0.3	-28.3	210.4	25.5	12.9	22.0	320.4	322.6	0.6	9.5	10.6	33.
12.6	48.9	5004.0	550.0	-2.7	-30.6	208.1	28.4	12.5	23.3	320.9	322.7	0.5	9.4	12.4	32.
13.6	51.6	5371.1	525.0	-5.0	-32.4	204.1	26.4	10.8	24.1	322.5	324.1	0.5	9.4	14.2	32.
14.8	54.8	5752.2	500.0	-8.4	-33.1	200.7	28.3	10.0	26.5	322.8	324.5	0.5	11.5	16.0	31.
16.0	57.7	6147.7	475.0	-11.8	-35.4	197.3	26.3	7.8	25.1	323.4	324.8	0.4	11.9	17.9	29.
17.1	61.0	6558.3	450.0	-15.9	-38.8	198.6	27.1	8.7	25.7	323.2	324.3	0.3	11.8	19.7	28.
18.2	64.4	6984.2	425.0	-19.7	-41.1	198.6	28.8	9.7	27.1	323.9	324.6	0.2	12.7	21.4	27.
19.2	67.7	7433.3	400.0	-23.2	-43.2	200.1	30.8	10.6	28.9	324.9	325.6	0.2	13.9	23.3	27.
20.0	71.1	7902.1	375.0	-27.1	-45.2	199.7	30.7	10.4	28.9	325.7	326.4	0.2	15.9	25.4	26.
21.0	75.0	8355.0	350.0	-31.4	-47.9	197.9	28.6	8.8	27.2	326.4	326.9	0.1	17.7	28.2	24.
22.0	79.0	8914.5	325.0	-36.1	-51.2	199.0	29.1	9.4	27.5	327.0	327.4	0.1	19.0	31.7	25.
23.9	83.0	9464.6	300.0	-40.8	-54.9	202.5	32.3	12.4	25.9	327.9	327.9	99.9	99.9	36.1	24.
25.0	87.2	10053.7	275.0	-43.7	-58.9	214.7	35.5	25.9	30.9	331.9	331.9	99.9	99.9	41.8	25.
31.4	92.0	10689.8	250.0	-47.0	-62.9	214.7	43.4	28.9	37.4	336.2	336.2	99.9	99.9	47.8	26.
36.6	96.8	11381.9	225.0	-49.6	-65.9	218.5	45.4	28.9	35.0	342.4	342.4	99.9	99.9	50.5	28.
37.4	102.0	12151.8	200.0	-51.5	-68.9	218.2	35.2	21.8	27.6	351.3	351.3	99.9	99.9	63.0	29.
40.6	107.8	13010.9	175.0	-56.3	-72.9	221.8	35.4	24.2	29.4	357.0	357.0	99.9	99.9	68.6	30.
44.3	114.0	13982.3	150.0	-58.5	-76.9	217.9	31.0	19.0	24.4	367.6	367.6	99.9	99.9	77.2	31.
48.3	121.0	15122.4	125.0	-58.9	-78.9	248.1	25.3	22.8	11.1	368.3	368.3	99.9	99.9	84.8	33.
53.2	129.0	16522.0	100.0	-63.3	-83.9	192.5	18.0	3.9	17.6	405.0	405.0	99.9	99.9	98.2	33.
58.6	136.0	18110.7	75.0	-59.1	-89.9	177.4	6.5	-0.3	6.5	449.0	449.0	99.9	99.9	98.6	33.
68.1	147.3	20884.1	50.0	-53.1	-99.9	101.3	5.4	-5.3	1.1	519.4	519.4	99.9	99.9	91.7	31.
81.3	157.5	25403.6	25.0	-47.1	-99.9	99.9	99.9	99.9	99.9	649.6	649.6	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 476
GRAND JUNCTION, COLORADO11 JUNE 1976
1729 GMT

146 14. 0

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GN/KG	RH PCT	RANGE KM	AZ DG
0.0	19.1	1472.0	845.2	21.1	-7.4	210.0	8.8	4.4	7.6	308.7	316.5	2.6	14.0	0.0	0.
00.9	00.9	99.9	1000.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	975.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	950.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	925.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	900.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	875.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	850.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	825.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	800.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	775.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	750.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	725.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	700.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	675.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	650.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	625.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	600.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	575.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	550.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	525.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	500.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	475.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	450.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	425.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	400.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	375.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	350.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	325.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	300.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	275.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	250.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	225.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	200.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	175.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	150.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	125.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	100.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	75.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	50.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	99.9	25.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

11 JUNE 1976
1745 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MR	TEMP DG C	DEW PT DG C	QIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.2	202.0	986.5	30.6	18.3	250.3	3.1	2.9	1.1	304.9	341.9	13.6	48.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.2	6.1	306.6	975.0	27.5	15.7	99.9	99.9	99.9	99.9	302.9	334.4	11.6	48.6	999.9	999.9
1.3	17.1	536.5	950.0	23.9	15.9	99.9	99.9	99.9	99.9	303.6	335.3	11.7	54.1	999.9	999.9
2.3	12.0	770.7	925.0	23.8	15.0	99.9	99.9	99.9	99.9	303.6	335.3	11.7	57.8	999.9	999.9
3.2	14.1	1009.7	900.0	21.6	14.5	99.9	99.9	99.9	99.9	303.6	335.4	11.6	62.7	999.9	999.9
4.2	16.0	1253.6	875.0	19.8	13.9	99.9	99.9	99.9	99.9	304.3	332.1	10.1	68.6	999.9	999.9
5.1	18.3	1592.9	850.0	17.9	12.9	99.9	99.9	99.9	99.9	304.9	329.0	8.7	50.9	999.9	999.9
6.9	20.4	1752.1	825.0	16.2	10.8	99.9	99.9	99.9	99.9	305.8	331.5	9.3	65.6	999.9	999.9
8.8	22.5	2019.9	800.0	15.1	10.1	99.9	99.9	99.9	99.9	307.2	334.5	9.8	72.4	999.9	999.9
7.8	24.8	2288.5	775.0	13.3	7.9	99.9	99.9	99.9	99.9	308.1	331.1	8.2	65.8	999.9	999.9
8.9	26.9	2564.2	750.0	11.8	3.8	99.9	99.9	99.9	99.9	309.4	329.7	6.7	57.9	999.9	999.9
9.7	29.3	2847.3	725.0	9.7	1.7	99.9	99.9	99.9	99.9	310.1	327.4	6.0	57.2	999.9	999.9
10.7	31.8	3137.9	700.0	8.0	-4.6	99.9	99.9	99.9	99.9	311.3	323.0	3.9	40.8	999.9	999.9
11.8	34.3	3437.0	675.0	6.4	-22.0	99.9	99.9	99.9	99.9	312.9	316.0	1.0	10.9	999.9	999.9
12.9	36.6	3744.8	650.0	3.6	-17.7	99.9	99.9	99.9	99.9	313.1	317.7	1.5	19.2	999.9	999.9
14.1	39.2	4061.3	625.0	1.0	-15.3	99.9	99.9	99.9	99.9	313.6	319.4	1.9	28.5	999.9	999.9
15.1	41.6	4388.2	600.0	-1.0	-26.2	99.9	99.9	99.9	99.9	315.0	317.5	0.8	12.7	999.9	999.9
16.4	44.3	4726.0	575.0	-3.3	-37.6	99.9	99.9	99.9	99.9	316.2	317.1	0.3	4.9	999.9	999.9
17.6	47.1	5076.2	550.0	-5.2	-46.2	99.9	99.9	99.9	99.9	317.9	318.3	0.1	2.3	999.9	999.9
18.9	50.0	5439.7	525.0	-7.4	-46.6	99.9	99.9	99.9	99.9	319.6	320.0	0.1	2.5	999.9	999.9
20.2	52.8	5817.8	500.0	-10.1	-43.9	99.9	99.9	99.9	99.9	320.7	321.3	0.2	4.3	999.9	999.9
21.6	55.7	6211.2	475.0	-12.9	-48.6	99.9	99.9	99.9	99.9	322.0	322.5	0.1	5.0	999.9	999.9
23.2	58.9	6620.8	450.0	-15.6	-48.1	99.9	99.9	99.9	99.9	323.7	324.3	0.2	6.6	999.9	999.9
24.8	62.1	7049.7	425.0	-18.4	-45.9	99.9	99.9	99.9	99.9	325.4	325.9	0.1	6.8	999.9	999.9
26.3	65.4	7500.8	400.0	-20.6	-43.8	99.9	99.9	99.9	99.9	328.2	329.6	0.1	5.9	999.9	999.9
28.0	68.7	7974.3	375.0	-24.7	-51.2	99.9	99.9	99.9	99.9	329.0	329.3	0.1	6.4	999.9	999.9
29.7	72.1	8472.8	350.0	-28.3	-53.4	99.9	99.9	99.9	99.9	330.6	330.9	0.1	6.9	999.9	999.9
31.4	76.0	9000.4	325.0	-32.1	-54.7	99.9	99.9	99.9	99.9	332.5	332.8	0.1	8.5	999.9	999.9
33.3	80.0	9559.8	300.0	-36.9	-58.9	99.9	99.9	99.9	99.9	333.4	333.6	0.1	11.7	999.9	999.9
35.2	84.0	10156.2	275.0	-41.7	-60.9	99.9	99.9	99.9	99.9	334.9	334.9	0.1	99.9	99.9	10.4 108.
37.4	88.4	10795.6	250.0	-47.0	-67.0	99.9	99.9	99.9	99.9	336.3	336.3	99.9	99.9	99.9	12.5 90.
39.9	92.2	11485.0	225.0	-52.3	-69.9	99.9	99.9	99.9	99.9	338.4	338.4	99.9	99.9	99.9	16.7 89.
42.8	96.2	12240.7	200.0	-54.9	-69.9	99.9	99.9	99.9	99.9	345.8	345.8	99.9	99.9	99.9	19.8 93.
45.7	103.5	13091.2	175.0	-57.1	-69.9	99.9	99.9	99.9	99.9	355.7	355.7	99.9	99.9	99.9	23.5 97.
49.1	109.8	14057.4	150.0	-61.9	-69.9	99.9	99.9	99.9	99.9	363.5	363.5	99.9	99.9	99.9	28.7 103.
52.8	116.0	15182.0	125.0	-62.8	-69.9	99.9	99.9	99.9	99.9	381.3	381.3	99.9	99.9	99.9	31.3 105.
57.4	124.0	16540.6	100.0	-64.1	-69.9	99.9	99.9	99.9	99.9	403.8	403.8	99.9	99.9	99.9	34.9 108.
63.6	132.7	18311.5	75.0	-61.3	-69.9	99.9	99.9	99.9	99.9	444.4	444.4	99.9	99.9	99.9	37.0 107.
71.7	141.7	20854.6	50.0	-55.9	-69.9	99.9	99.9	99.9	99.9	511.8	511.8	99.9	99.9	99.9	37.0 108.
84.1	151.0	25339.5	25.0	-47.4	-69.9	99.9	99.9	99.9	99.9	648.5	648.5	99.9	99.9	99.9	32.6 110.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA11 JUNE 1976
1700 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DFW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX STD CM/KG	RH PCT	RANGF KM	AZ DEG
00	9.7	400.0	957.4	28.9	16.1	170.0	2.1	-0.5	3.1	305.8	339.1	12.2	46.0	0.0	0.
01	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	10.3	469.2	950.0	28.3	13.8	170.2	6.4	-1.1	6.3	305.9	335.7	11.2	43.8	0.3	349.
04	12.3	705.3	925.0	26.0	13.8	180.9	9.0	0.1	9.0	305.9	335.7	10.8	47.1	0.5	351.
10	14.3	966.9	900.0	26.5	6.5	180.9	15.8	3.7	15.4	305.9	335.5	7.7	31.5	1.1	0.
11	16.4	1195.0	875.0	26.3	1.6	198.2	17.3	5.4	16.5	311.1	325.6	4.9	20.2	1.9	7.
12	14.7	1449.3	850.0	24.6	1.4	197.7	16.3	5.0	15.6	311.9	325.7	5.0	21.9	2.8	11.
13	20.8	1709.6	825.0	22.7	0.5	197.8	14.5	4.4	13.8	312.6	326.8	4.8	23.1	3.8	12.
14	23.1	1976.2	800.0	21.0	1.5	198.6	12.0	3.8	11.4	313.6	329.4	5.4	27.4	4.3	13.
15	25.4	2249.8	775.0	18.8	2.3	207.3	12.3	5.6	10.9	314.1	331.3	5.8	33.2	4.9	14.
16	27.7	2530.1	750.0	17.0	1.6	225.2	8.8	6.3	6.2	315.0	332.0	5.7	37.4	5.9	17.
17	30.2	2817.9	725.0	14.8	0.4	237.9	7.8	6.6	4.1	315.7	331.9	5.4	40.6	6.3	23.
18	32.7	3113.5	700.0	12.3	-0.7	236.8	10.2	8.5	5.6	316.2	331.8	5.2	46.6	7.0	26.
19	35.3	3417.3	675.0	9.9	0.0	237.8	10.3	8.7	5.5	316.8	333.7	5.7	50.2	7.5	29.
20	37.7	3729.7	650.0	7.1	-0.9	239.5	11.5	9.9	5.8	317.0	333.4	5.5	58.7	8.2	32.
21	40.4	4051.3	625.0	4.6	-2.8	242.2	13.5	12.0	6.3	317.6	332.8	5.0	58.7	9.1	36.
22	43.0	4382.3	600.0	1.5	-3.0	247.2	15.2	14.0	5.9	317.9	333.3	5.1	71.5	10.0	39.
23	45.9	4724.1	575.0	-1.0	-9.0	251.2	15.3	14.5	4.9	318.9	329.3	3.4	79.7	10.0	42.
24	48.9	5076.9	550.0	-4.6	-7.6	261.4	13.2	13.0	2.0	318.6	330.7	3.9	87.4	11.6	45.
25	51.6	5442.0	525.0	-7.2	-9.0	262.1	13.8	13.6	1.9	319.7	331.2	3.7	87.4	11.6	45.
26	54.8	5820.6	500.0	-10.0	-16.9	270.3	13.1	13.1	-0.0	320.8	327.4	2.0	57.0	12.4	48.
27	57.8	6214.0	475.0	-12.8	-22.1	279.3	11.0	10.9	-1.7	322.1	326.7	1.4	45.7	13.1	52.
28	61.0	6624.7	450.0	-14.6	-26.4	278.7	8.3	8.3	-1.3	323.9	328.2	1.0	35.6	13.6	54.
29	64.4	7055.2	425.0	-17.9	-36.0	269.6	7.8	7.8	0.1	325.1	327.6	0.4	19.6	14.2	56.
30	67.9	7505.3	400.0	-21.8	-44.1	270.2	9.6	-4.5	-1.5	326.7	327.3	0.2	10.0	14.7	48.
31	71.3	7977.3	375.0	-24.7	-54.5	269.7	15.7	15.7	0.1	328.9	329.1	0.1	4.4	15.6	60.
32	74.2	8476.8	350.0	-27.7	-58.9	251.7	17.7	14.9	5.6	331.4	331.6	0.0	3.2	17.2	62.
33	77.2	9005.2	325.0	-32.0	-57.8	236.5	17.1	14.2	9.4	332.5	331.7	0.0	4.7	19.2	62.
34	83.2	9565.0	300.0	-36.5	-58.2	224.1	18.1	14.7	10.6	333.9	334.1	0.0	6.9	21.3	61.
35	87.5	10163.1	275.0	-40.6	99.9	267.9	19.6	19.6	0.7	336.4	999.9	99.9	99.9	23.5	62.
36	92.2	10864.4	250.0	-44.7	99.9	276.4	24.8	24.8	-2.8	339.6	999.9	99.9	99.9	26.3	66.
37	97.0	11503.5	225.0	-48.8	99.9	277.5	23.8	23.8	-3.1	342.2	999.9	99.9	99.9	29.5	69.
38	102.3	12265.1	200.0	-54.9	99.9	271.5	16.2	16.2	-0.4	343.9	999.9	99.9	99.9	32.1	72.
39	109.3	13112.6	175.0	-57.1	99.9	257.6	27.5	26.8	5.9	353.6	999.9	99.9	99.9	35.9	73.
40	114.8	14080.5	150.0	-60.3	99.9	273.1	24.2	24.2	-1.3	363.2	999.9	99.9	99.9	41.4	74.
41	121.7	15203.1	125.0	-64.9	99.9	276.8	11.8	11.7	-1.4	377.6	999.9	99.9	99.9	45.9	76.
42	129.7	16564.9	100.0	-62.0	99.9	235.2	5.3	4.3	3.0	408.0	999.9	99.9	99.9	49.0	76.
43	136.7	18327.6	75.0	-62.7	99.9	213.6	5.8	3.4	4.7	441.8	999.9	99.9	99.9	49.6	73.
44	146.7	20870.7	50.0	-55.9	99.9	125.9	1.5	-1.3	0.9	511.8	999.9	99.9	99.9	49.6	74.
45	155.7	25386.9	25.0	-47.3	99.9	113.2	0.1	-5.6	2.4	649.0	999.9	99.9	99.9	46.2	72.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA
11 JUNE 1976
1800 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	QW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.8	847.0	904.2	28.9	13.9	150.0	3.6	-1.0	3.1	310.9	342.3	11.2	40.0	0.0	0
00.9	90.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	90.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	90.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	90.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	90.9	99.9	900.0	28.7	13.7	156.0	2.8	-1.1	2.5	311.1	342.0	11.0	39.7	0.1	349.
01.1	14.2	868.6	900.0	25.9	12.6	175.0	3.3	-0.3	3.3	310.7	347.4	10.6	43.7	0.3	331.
1.0	14.2	1134.2	875.0	25.9	7.2	186.6	4.6	0.7	4.6	313.3	335.3	7.6	31.6	0.5	341.
1.9	14.5	1393.2	850.0	25.9	3.0	216.8	7.5	0.5	6.0	317.1	334.3	5.8	21.4	0.8	357.
2.7	20.7	1656.6	825.0	26.9	0.5	219.2	9.8	6.2	7.6	317.7	332.7	5.0	20.2	1.2	14.
3.7	23.0	1926.8	800.0	24.9	0.5	219.2	9.8	6.2	7.6	317.7	332.7	4.3	19.8	1.8	22.
4.7	25.4	2293.7	775.0	22.3	-1.8	215.6	11.9	6.8	10.3	318.0	329.9	3.9	20.3	2.4	26.
5.6	27.7	2466.9	750.0	19.7	-3.7	213.5	12.4	6.8	11.7	318.4	329.6	3.7	21.6	3.1	27.
6.4	30.2	2777.0	725.0	17.2	-4.9	210.2	13.5	6.8	11.4	318.8	329.1	3.3	22.2	3.8	27.
7.3	32.8	3074.9	700.0	14.7	-6.6	208.1	12.9	6.1	11.1	319.1	328.5	3.0	22.9	4.6	27.
8.4	35.4	3380.6	675.0	12.0	-8.5	203.7	12.2	4.9	11.1	319.0	327.3	2.7	24.3	5.3	26.
9.4	38.0	3694.5	650.0	8.8	-10.4	201.5	14.2	5.2	13.2	319.0	326.3	2.3	25.3	6.3	26.
10.5	40.6	4017.5	625.0	5.7	-12.6	201.5	14.2	5.2	13.2	319.0	326.3	2.1	26.5	7.2	25.
11.6	43.3	4349.6	600.0	2.9	-14.5	200.1	14.8	4.1	13.9	319.4	326.0	2.0	27.1	8.3	24.
12.9	46.3	4692.0	575.0	-0.2	-15.2	197.9	16.1	4.9	15.3	319.7	326.2	2.0	31.2	9.5	23.
13.9	49.3	5045.6	550.0	-3.6	-16.2	195.3	16.5	4.3	15.9	319.8	326.1	1.6	36.7	10.8	22.
15.0	52.1	5411.0	525.0	-7.1	-18.9	195.3	16.5	4.3	15.9	319.8	326.1	0.9	41.1	12.6	22.
16.3	55.2	5790.0	500.0	-8.9	-20.8	202.5	14.1	6.2	14.9	322.2	325.3	0.4	45.1	13.1	23.
17.6	58.4	6185.5	475.0	-11.4	-23.0	214.5	15.6	8.9	12.9	323.9	325.1	0.4	49.1	14.5	24.
19.1	61.9	6597.6	450.0	-14.6	-25.1	220.5	17.7	11.5	13.5	324.9	326.7	0.5	53.1	16.0	26.
20.4	65.3	7027.7	425.0	-18.1	-28.1	225.3	20.3	14.3	14.2	325.7	327.2	0.4	57.1	17.9	28.
22.0	68.7	7477.6	400.0	-21.6	-31.7	223.7	20.5	14.2	14.8	326.9	328.1	0.3	61.1	19.6	29.
23.6	72.3	7949.4	375.0	-25.6	-35.6	219.5	19.2	12.2	14.8	327.7	328.9	0.3	65.1	21.8	30.
25.1	76.2	8466.0	350.0	-29.3	-40.2	220.4	23.4	15.3	17.7	329.3	330.0	0.2	69.1	24.3	31.
27.1	80.3	8970.5	325.0	-33.9	-47.8	218.4	23.5	14.6	18.5	330.0	330.6	0.2	73.1	26.9	32.
29.0	84.4	9525.5	300.0	-38.6	-54.9	214.8	23.9	16.9	17.0	330.9	330.9	0.9	77.1	30.1	34.
31.1	88.8	10119.9	275.0	-41.5	-62.0	214.8	23.9	22.4	15.9	335.1	335.1	0.9	81.1	33.6	37.
33.2	93.6	10765.2	250.0	-45.6	-69.9	211.9	25.3	29.2	15.8	338.3	338.3	0.9	85.1	37.4	40.
35.4	98.5	11455.8	225.0	-49.0	-77.9	212.2	43.1	38.7	20.4	343.4	343.4	0.9	89.1	41.5	42.
37.5	103.8	12222.6	200.0	-52.4	-85.9	211.0	10.3	24.5	14.7	349.9	349.9	0.9	93.1	45.3	43.
40.3	109.8	13079.5	175.0	-55.0	-93.9	226.6	10.5	27.4	24.1	359.2	359.2	0.9	97.1	49.3	43.
43.3	116.0	14053.6	150.0	-59.3	-101.3	230.5	29.4	22.7	18.6	368.0	368.0	0.9	101.1	53.5	44.
46.9	123.3	15194.1	125.0	-60.6	-109.6	241.0	16.5	14.4	8.0	385.3	385.3	0.9	105.1	58.2	45.
51.2	131.0	16571.4	100.0	-65.1	-117.9	249.9	99.9	99.9	99.9	402.0	402.0	0.9	109.1	63.2	46.
56.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
59.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 576
LANDER, WYOMING11 JUNE 1976
1730 GMT

135 10 0

TIME MIN	QNTCT	HEIGHT GPN	PHES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COAP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE AZ KM	RG
00	29.9	1695.0	819.8	14.1	-0.4	240.0	12.9	11.2	6.5	304.1	317.1	4.6	37.0	0.0	0
00.9	00.9	90.9	1000.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	975.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	950.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	925.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	900.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	875.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	850.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	825.0	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9	00.9
00.9	00.9	90.9	800.0	11.1	-0.1	283.0	14.9	14.5	-3.4	303.0	316.5	4.8	46.1	0.6	30
01.3	27.7	1900.4	800.0	11.1	-0.1	283.0	14.9	14.5	-3.4	303.0	316.5	4.8	46.1	0.6	30
1.5	25.1	2143.3	775.0	7.4	-1.8	232.6	17.3	13.7	10.5	301.8	314.1	4.3	52.1	1.5	60
2.0	27.3	2432.3	750.0	4.8	-3.7	228.7	19.4	14.6	12.8	301.8	313.0	3.9	54.0	2.6	55
3.7	29.7	2708.1	725.0	3.2	-5.4	226.3	20.9	15.6	13.9	303.0	313.3	3.5	53.1	3.9	53
4.7	32.1	2992.1	700.0	2.7	-7.0	233.2	20.1	16.2	11.9	303.5	315.0	3.2	48.8	5.3	53
5.8	34.7	3245.1	675.0	0.1	-8.8	233.2	21.1	16.9	12.6	305.8	314.4	2.9	41.0	6.6	53
6.6	37.0	3585.9	650.0	-3.0	-10.1	238.4	16.2	13.8	8.5	305.5	313.6	2.7	57.9	7.5	53
7.6	37.7	3595.2	625.0	-5.9	-10.0	238.9	14.1	12.1	7.3	305.7	314.2	2.0	72.9	8.4	54
8.7	42.2	4214.4	600.0	-7.7	-11.8	232.0	14.7	11.6	9.1	307.2	314.9	2.6	72.3	9.2	54
9.7	44.9	4544.4	575.0	-9.9	-13.0	213.0	11.7	6.4	9.8	305.5	315.9	2.4	77.7	10.1	53
10.7	47.8	4886.2	550.0	-12.2	-15.1	195.6	10.1	2.7	9.7	303.6	316.2	2.1	78.7	10.6	41
11.8	40.6	5240.4	525.0	-14.7	-17.5	192.9	8.6	1.6	8.4	310.4	316.5	1.8	79.1	11.1	40
12.9	37.5	5606.3	500.0	-17.4	-20.0	180.6	7.1	0.1	7.1	311.9	316.8	1.6	79.8	11.8	40
14.1	34.4	5990.7	475.0	-20.1	-23.4	163.4	6.0	0.4	6.0	313.1	317.3	1.3	81.6	12.1	44
15.3	34.4	6380.0	450.0	-23.4	-27.4	149.7	8.7	-1.7	8.5	313.8	316.7	0.9	69.6	12.1	44
16.6	63.0	6804.5	425.0	-26.7	-30.1	163.3	11.9	-3.5	11.3	314.8	316.3	0.4	44.4	12.5	41
17.8	66.3	7239.4	400.0	-30.0	-43.4	163.2	11.3	-7.3	10.9	315.0	316.6	0.2	20.5	13.0	38
19.1	69.8	7696.0	375.0	-33.2	-48.4	175.1	12.3	-1.0	12.3	317.6	319.1	0.1	20.0	13.6	35
20.6	73.3	8170.0	350.0	-35.6	-52.5	192.7	10.2	-3.6	17.6	320.8	321.1	0.1	15.5	14.7	32
22.2	77.2	8691.5	325.0	-38.3	-58.6	172.4	22.7	-3.0	22.5	323.9	324.2	0.1	15.9	16.2	26
23.8	81.0	9238.1	300.0	-41.2	-67.9	165.2	22.3	2.0	22.2	327.3	329.9	0.9	99.9	18.1	23
25.3	85.3	9825.4	275.0	-44.4	-79.9	171.2	21.7	-3.3	21.5	331.0	331.0	0.9	99.9	29.0	22
26.9	89.8	10457.6	250.0	-47.9	-90.9	165.3	20.7	-5.3	20.0	334.9	334.9	0.9	99.9	21.6	18
29.1	94.8	11154.3	225.0	-47.3	-99.9	164.3	19.4	5.5	18.6	346.1	346.1	0.9	99.9	24.2	17
31.0	99.8	11937.1	200.0	-45.6	-99.9	196.8	28.9	0.4	27.7	360.5	360.5	0.9	99.9	28.8	17
34.0	103.5	12824.8	175.0	-46.0	-99.9	201.5	31.2	11.4	29.0	374.0	374.0	0.9	99.9	31.7	17
36.0	111.7	13838.5	150.0	-51.2	-99.9	206.2	28.0	12.4	25.1	381.9	381.9	0.9	99.9	39.7	19
41.0	118.7	15027.5	125.0	-48.6	-99.9	216.6	17.0	16.1	13.6	403.2	403.2	0.9	99.9	44.7	20
46.0	126.3	16451.8	100.0	-51.0	-99.9	144.2	10.9	-8.4	5.9	403.8	403.8	0.9	99.9	48.2	19
51.7	135.3	18241.5	75.0	-59.1	-99.9	159.2	11.8	-4.2	11.0	443.0	443.0	0.9	99.9	50.1	17
56.2	144.3	20816.3	50.0	-55.8	-99.9	124.7	5.1	-4.2	2.9	512.0	512.0	0.9	99.9	51.3	16
70.0	153.7	25713.4	25.0	-48.6	-99.9	100.1	5.4	-5.4	1.0	645.4	645.4	0.9	99.9	52.1	12

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 0 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637
PLINT, MICHIGAN
11 JUNE 1976
1800 GMT

TIME MIN	CHTCT	HEIGHT GPM	PR-S 48	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT T DG K	MX RTO CM/KG	RH PCT	RANGE AZ KM	153	20.0
0.0	7.9	236.0	979.3	30.6	20.2	240.3	6.2	0.1	-1.1	303.6	347.4	15.5	54.0	0.0	0.0	C.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	6.3	275.5	975.0	29.5	20.5	246.8	3.3	3.0	1.3	304.8	347.3	15.8	58.6	0.3	10.1	
0.9	10.4	506.8	950.0	26.5	18.1	244.7	9.6	8.6	0.8	304.0	341.8	14.7	60.3	0.4	9.5	
1.6	12.5	741.4	925.0	23.5	16.7	268.9	13.8	13.8	0.3	303.4	338.6	13.1	65.5	1.0	9.0	
2.6	12.8	980.2	900.0	21.2	16.4	271.3	12.0	12.0	-0.3	303.6	339.9	13.2	73.6	1.6	9.0	
3.6	16.9	1224.2	875.0	19.1	16.7	273.7	10.9	10.7	-0.7	303.6	341.0	13.9	86.3	2.3	9.1	
4.5	10.3	1473.2	850.0	16.8	15.1	278.7	11.7	11.1	-1.7	303.7	339.4	12.8	89.7	2.9	9.2	
5.4	21.5	1727.5	825.0	14.4	13.4	281.5	13.1	12.8	-2.6	303.8	338.8	11.8	93.8	3.6	9.3	
6.3	23.9	1987.3	800.0	11.7	10.7	296.9	13.6	12.1	-3.2	303.6	331.5	10.2	93.5	4.3	9.6	
7.2	26.2	2253.0	775.0	9.9	8.0	304.2	13.9	10.7	-3.8	304.5	328.6	8.7	87.8	4.9	9.9	
7.9	28.7	2425.6	750.0	8.3	7.2	312.6	14.1	10.3	-4.5	305.6	329.4	8.6	92.6	5.5	10.3	
8.7	31.3	2605.9	725.0	8.0	0.8	312.9	15.9	11.7	-10.5	308.3	324.4	5.6	60.4	6.0	10.6	
9.1	33.9	3094.8	700.0	5.8	-1.4	312.7	18.0	13.2	-12.2	308.9	323.6	3.9	47.7	6.4	10.6	
9.8	36.4	3390.0	675.0	2.3	-11.4	313.4	20.9	15.2	-12.4	308.2	318.0	2.6	38.0	7.2	11.1	
12.5	39.2	3694.6	650.0	0.1	-20.4	316.6	20.4	14.0	-14.8	309.0	325.6	5.7	98.8	10.5	11.7	
14.3	41.8	4007.6	625.0	-4.6	-42.1	320.9	18.6	9.1	-16.3	307.2	310.6	1.2	21.5	12.5	12.2	
15.7	42.8	4329.6	600.0	-1.4	-50.9	320.1	17.3	5.9	-16.2	314.5	314.7	0.1	1.0	13.7	12.6	
17.6	47.7	4667.2	575.0	-2.9	-51.8	321.1	18.8	9.1	-16.5	316.6	316.8	0.1	1.0	15.4	12.9	
18.6	50.4	5018.4	550.0	-4.5	-52.8	324.9	17.4	9.5	-16.6	318.8	319.0	0.0	1.0	16.5	13.1	
19.6	53.7	5382.4	525.0	-7.6	-54.7	321.9	17.6	10.9	-13.9	319.4	319.5	0.0	1.0	17.4	13.1	
20.4	56.7	5759.8	500.0	-10.7	-56.7	322.1	19.2	11.3	-15.1	320.0	320.2	0.0	1.0	18.4	13.2	
21.5	60.0	6151.6	475.0	-13.9	-58.7	323.1	18.4	11.1	-16.7	320.7	320.9	0.0	1.0	19.6	13.3	
23.3	63.5	6560.3	450.0	-16.1	-60.2	324.1	22.6	13.3	-18.3	323.0	323.1	0.0	1.0	21.7	13.3	
23.9	66.4	6988.3	425.0	-19.1	-62.1	327.4	27.2	14.6	-22.9	324.4	324.5	0.0	1.0	24.4	13.5	
26.3	70.4	7436.8	400.0	-22.5	-64.3	323.4	22.6	13.5	-17.2	325.8	325.8	0.0	1.0	26.1	13.6	
27.6	74.2	7907.4	375.0	-25.5	-66.2	313.6	22.5	16.3	-17.5	327.8	327.9	0.0	1.0	28.0	13.6	
29.3	78.2	8404.9	350.0	-29.2	-68.5	306.1	27.9	22.5	-16.4	329.4	329.4	0.0	1.0	30.5	13.5	
31.1	82.2	8929.2	325.0	-33.9	-71.8	307.5	24.9	19.7	-15.2	329.9	329.9	0.0	1.0	33.0	13.4	
33.0	86.3	9484.6	300.0	-38.6	-74.9	315.4	19.9	21.0	-21.2	331.0	331.0	0.0	1.0	36.7	13.4	
34.9	91.0	10077.1	275.0	-43.1	-79.9	327.5	12.9	12.3	-16.3	332.9	332.9	99.9	99.9	39.2	13.5	
36.7	95.7	10713.7	250.0	-47.7	-82.7	326.5	32.2	17.4	-26.8	335.2	335.2	99.9	99.9	42.6	13.6	
38.7	100.8	11400.0	225.0	-52.7	-86.9	324.7	17.1	21.4	-36.2	337.8	337.8	99.9	99.9	45.5	13.7	
40.7	106.3	12155.7	200.0	-55.6	-90.9	284.3	20.0	19.0	-44.3	344.7	344.7	99.9	99.9	49.1	13.7	
43.1	112.3	12996.8	175.0	-59.9	-94.9	286.3	36.3	34.8	-16.2	351.1	351.1	99.9	99.9	52.9	13.8	
45.2	118.8	13953.6	150.0	-60.8	-99.9	306.4	28.6	23.0	-17.0	355.4	355.4	99.9	99.9	58.8	13.2	
49.5	126.0	15096.1	125.0	-57.4	-99.9	322.0	9.9	6.1	-7.8	391.1	391.1	99.9	99.9	62.9	13.2	
53.6	134.3	16486.5	100.0	-61.5	-99.9	300.3	11.8	10.2	-6.0	404.9	404.9	99.9	99.9	65.8	13.1	
59.3	142.7	19285.5	75.0	-58.7	-99.9	338.1	0.5	0.2	-0.5	448.9	448.9	99.9	99.9	67.1	13.1	
64.8	151.7	20851.2	50.0	-54.5	-99.9	240.3	0.2	0.2	C.1	515.1	515.1	99.9	99.9	66.3	13.1	
70.9	161.0	25372.2	25.0	-48.6	-99.9	999.9	99.9	99.9	99.9	644.8	644.8	99.9	99.9	999.9	999.9	999.9

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
° BY S-SED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645
GREEN DAY, WISCONSIN11 JUNE 1976
1800 GMT

TIME MIN	ONCT	HEIGHT GPM	PRES MB	TEMP DG C	DFW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0-0	7.8	210.0	983.1	27.8	21.1	60.0	3.1	-2.7	-1.5	302.4	345.8	16.3	67.0	0.0	0-
0-9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-2	8.5	203.2	975.0	27.0	99.9	331.8	0.6	7.3	-0.6	303.1	309.9	99.9	99.9	0.3	282.0
0-9	10.6	511.6	950.0	25.5	99.9	73.0	3.5	-0.5	-0.1	303.1	329.1	99.9	99.9	0.3	260.0
0-9	10.6	745.0	925.0	23.0	12.0	54.8	1.3	-1.3	0.1	303.1	329.1	99.9	99.9	0.3	263.0
1-6	12.7	902.0	900.0	20.7	8.0	99.1	1.2	-1.2	0.2	303.1	323.6	7.5	43.8	0.4	265.0
2-6	13.0	1226.2	875.0	19.5	7.0	170.3	0.7	-0.1	0.6	303.1	324.3	8.1	44.2	0.4	267.0
3-3	17.1	1475.3	850.0	17.7	8.3	254.5	2.4	2.3	0.6	303.1	327.3	8.1	44.2	0.4	270.0
4-3	18.6	1729.9	825.0	15.7	7.6	276.5	3.4	3.4	-0.4	303.1	327.5	8.0	52.9	0.2	280.0
5-1	21.7	1990.3	800.0	14.0	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
6-0	24.2	2256.8	775.0	12.5	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
6-8	26.5	2510.4	750.0	10.9	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
7-4	28.1	2811.7	725.0	9.3	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
8-5	31.7	3101.0	700.0	7.5	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
9-4	34.4	3399.0	675.0	5.8	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
10-3	36.8	3705.7	650.0	4.2	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
11-3	39.8	4022.0	625.0	3.0	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
12-0	42.4	4353.7	600.0	1.9	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
13-2	45.3	4712.9	575.0	0.6	99.9	99.9	99.9	99.9	99.9	303.1	99.9	99.9	99.9	999.9	999.9
14-7	48.4	5084.9	550.0	-0.6	-47.7	304.6	10.1	8.3	-5.7	317.5	317.8	0.1	2.0	7.0	125.0
15-6	51.3	5427.6	525.0	-3.6	-43.6	309.6	10.1	7.8	-6.5	318.4	318.9	0.1	3.8	7.7	125.0
16-8	54.4	5804.6	500.0	-10.6	-43.3	309.6	10.8	8.3	-6.9	320.1	322.7	0.2	4.8	8.5	126.0
17-1	57.4	6197.4	475.0	-13.0	-43.7	302.6	8.9	7.5	-4.8	321.9	322.3	0.2	3.7	9.3	126.0
20-5	64.7	6607.5	450.0	-15.4	-43.7	301.2	9.7	8.3	-5.0	321.8	324.5	0.2	6.8	10.2	126.0
23-4	67.6	7036.0	425.0	-19.1	-41.5	300.3	10.3	3.9	-5.2	324.5	325.4	0.2	11.4	11.0	125.0
25-0	71.0	7484.2	400.0	-22.4	-43.1	295.1	12.1	10.9	-5.1	325.9	325.7	0.2	13.1	12.0	125.0
26-5	75.0	7956.5	375.0	-26.3	-41.4	285.6	13.0	12.5	-3.5	326.7	327.7	0.3	22.5	13.1	126.0
28-0	79.0	8449.9	350.0	-29.9	-45.9	298.3	13.1	11.5	-6.2	328.5	329.1	0.2	19.1	14.2	122.0
29-4	83.0	8974.8	325.0	-33.2	-46.0	298.3	14.2	12.5	-6.7	330.9	331.6	0.2	26.0	15.4	122.0
30-4	87.3	9531.5	300.0	-38.3	-48.6	280.6	15.3	15.0	-2.8	331.5	332.0	0.1	32.4	16.8	121.0
31-1	92.0	10123.6	275.0	-43.2	99.9	292.3	17.3	16.0	-6.6	332.7	99.9	99.9	99.9	18.5	119.0
32-9	96.8	10759.9	250.0	-47.9	99.9	309.6	17.6	13.7	-11.4	336.9	99.9	99.9	99.9	23.3	121.0
35-0	99.8	11435.0	225.0	-53.7	99.9	303.2	20.8	17.4	-11.4	336.3	99.9	99.9	99.9	26.5	121.0
37-3	102.0	12193.4	200.0	-58.1	99.9	303.9	19.4	16.1	-10.8	340.8	99.9	99.9	99.9	29.3	121.0
39-8	104.0	12937.3	175.0	-64.4	99.9	292.1	15.0	13.9	-5.7	350.8	99.9	99.9	99.9	32.3	116.0
42-6	114.0	13037.3	150.0	-62.3	99.9	261.1	13.3	18.9	-3.7	362.7	99.9	99.9	99.9	36.4	116.0
45-6	124.8	14003.2	125.0	-60.2	99.9	294.1	16.4	14.7	-7.2	386.0	99.9	99.9	99.9	39.5	116.0
48-2	126.3	15133.2	100.0	-60.8	99.9	306.6	8.0	6.4	-6.7	410.3	99.9	99.9	99.9	41.3	116.0
53-2	134.7	16326.1	75.0	-59.2	99.9	274.6	8.2	8.2	-6.7	440.8	99.9	99.9	99.9	42.5	116.0
58-2	146.3	18323.9	50.0	-54.0	99.9	341.6	1.4	0.5	-1.4	510.4	99.9	99.9	99.9	41.4	121.0
64-8	155.3	20895.3	25.0	-47.2	99.9	102.0	5.2	-5.1	1.1	640.4	99.9	99.9	99.9	41.4	121.0
70-2	165.7	25408.0	25.0	-47.2	99.9	102.0	5.2	-5.1	1.1	640.4	99.9	99.9	99.9	41.4	121.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
MURON, SOL IN DAKOTA11 JUNE 1976
1705 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE AZ KM	17. 0
0.0	9.6	392.0	953.0	32.2	17.3	130.0	10.3	-7.9	6.6	309.5	346.0	13.2	41.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	9.9	425.9	950.0	31.0	99.9	138.7	9.8	-6.5	7.3	309.3	99.9	99.9	99.9	0.4	35.2
0.5	11.8	664.5	925.0	29.7	17.2	141.6	9.5	-5.9	7.5	309.6	347.1	13.5	47.2	0.5	38.6
1.1	13.8	908.8	900.0	27.7	17.0	145.7	9.2	-5.2	7.4	309.1	348.1	13.7	52.0	0.8	33.9
1.7	15.8	1157.6	875.0	24.3	14.9	148.4	8.3	-5.9	9.6	309.1	343.3	12.3	55.9	1.1	33.6
2.2	18.0	1411.0	850.0	22.1	14.4	146.9	7.3	-7.3	11.1	309.3	343.3	12.2	41.4	1.5	33.6
3.1	20.1	1670.5	825.0	21.6	13.1	151.2	14.4	-7.0	12.6	311.5	344.2	11.7	58.6	2.2	33.2
4.9	22.2	1937.3	800.0	20.7	8.0	163.6	15.6	-4.4	15.6	313.2	337.5	8.5	43.9	3.1	33.3
4.8	24.5	2211.3	775.0	19.7	3.6	169.8	10.5	-1.9	10.3	315.1	333.9	6.4	34.3	3.7	33.6
5.6	26.6	2492.9	750.0	17.9	-0.5	168.4	6.4	-1.3	6.2	316.0	330.8	4.9	28.8	4.1	33.7
6.6	29.0	2781.3	725.0	15.2	-1.2	165.1	5.1	-1.3	4.9	316.1	330.6	4.8	32.4	4.4	33.8
7.8	31.5	3077.1	700.0	12.3	-2.0	173.4	5.3	-0.6	5.3	316.1	330.3	4.7	37.1	4.7	33.8
8.8	34.0	3380.5	675.0	9.6	-2.2	183.3	5.7	0.3	5.7	316.4	330.9	4.8	43.2	5.1	34.0
9.9	36.3	3692.7	650.0	7.4	-5.9	191.7	5.1	1.0	5.0	317.4	329.1	3.8	38.4	5.4	34.2
11.1	38.9	4014.2	625.0	4.8	-11.4	197.9	6.1	1.9	5.6	318.0	326.0	2.6	39.6	5.7	34.4
12.0	41.3	4345.6	600.0	2.2	-17.1	206.4	7.7	3.2	6.5	318.7	326.1	2.3	31.0	6.0	34.6
13.2	44.0	4687.4	575.0	-0.7	-12.7	212.7	9.2	4.9	7.9	319.2	327.1	2.5	39.8	6.4	34.9
14.3	46.9	5040.8	550.0	-3.6	-12.4	217.7	10.4	6.4	8.2	319.8	328.3	2.7	50.5	6.9	35.1
15.5	49.8	5406.6	525.0	-6.5	-15.7	225.2	11.3	8.1	8.0	320.6	327.5	2.1	48.1	7.4	35.8
16.7	52.5	5786.2	500.0	-9.7	-18.2	226.1	12.4	8.9	8.6	321.2	326.1	2.2	59.0	8.1	2.
18.0	55.5	6180.3	475.0	-12.6	-18.3	225.9	12.4	8.9	8.7	322.3	328.5	1.9	62.3	8.8	7.
19.3	58.6	6597.8	450.0	-15.4	-24.2	221.7	13.4	8.9	10.0	323.9	327.9	1.2	45.6	9.6	11.
20.6	61.9	7019.8	425.0	-18.7	-24.7	224.1	13.2	9.2	9.5	325.0	329.1	1.2	55.3	10.8	14.
22.2	65.2	7469.3	400.0	-21.6	-36.3	237.6	9.6	8.3	5.2	326.7	328.2	0.4	75.4	11.5	17.
23.7	68.6	7940.3	375.0	-26.1	-41.8	251.4	9.6	9.1	3.1	327.1	328.0	0.3	21.1	12.0	20.
25.5	72.1	8434.7	350.0	-30.3	-47.5	261.8	12.2	7.2	1.7	327.8	328.4	0.1	16.7	12.7	24.
27.3	74.0	8956.4	325.0	-35.1	-51.3	259.5	15.3	15.0	2.8	324.4	324.8	0.1	17.1	13.5	30.
29.2	80.0	9509.5	300.0	-39.0	-54.4	242.3	20.0	17.7	9.3	330.5	333.8	0.1	17.5	14.9	35.
31.2	84.2	10101.7	275.0	-42.6	-59.9	231.7	18.5	14.5	11.8	313.6	997.9	99.9	99.9	17.3	38.
33.2	88.5	10741.2	250.0	-45.9	99.9	229.5	19.2	16.6	9.7	337.9	997.9	99.9	99.9	19.5	39.
35.6	93.4	11437.8	225.0	-48.9	99.9	253.8	23.1	22.2	6.5	343.6	999.9	99.9	99.9	22.3	43.
38.3	98.4	12204.3	200.0	-53.0	99.9	257.5	22.5	22.0	4.8	345.4	999.9	99.9	99.9	25.3	48.
41.3	104.0	13059.4	175.0	-56.4	99.9	263.7	28.6	26.1	11.8	356.8	999.9	99.9	99.9	28.3	51.
44.5	110.2	14041.5	150.0	-57.2	99.9	261.3	17.1	16.9	2.4	371.6	999.9	99.9	99.9	33.7	54.
48.0	116.7	15182.4	125.0	-61.7	99.9	250.2	4.0	3.7	1.3	381.3	999.9	99.9	99.9	38.7	55.
52.5	124.7	16573.0	100.0	-60.8	99.9	245.2	9.2	8.9	2.4	410.2	999.9	99.9	99.9	37.8	55.
56.2	133.5	18164.3	75.0	-58.4	99.9	145.3	8.1	-2.9	4.1	450.5	999.9	99.9	99.9	39.0	56.
66.3	142.3	20967.2	50.0	-53.9	99.9	131.0	1.7	-0.8	0.7	516.6	999.9	99.9	99.9	39.1	54.
78.4	151.3	25506.0	25.0	-46.1	99.9	88.9	7.1	-7.1	-0.1	652.6	999.9	99.9	99.9	36.5	51.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655
ST. CLOUD, MINNESOTA
11 JUNE 1976
1730 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TE DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG K	E POT Y DEG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DEG
0.0	8.7	318.0	969.5	29.0	21.2	99.9	99.9	99.9	99.9	308.8	349.7	16.7	63.0	999.9	999.9
99.9	99.9	99.9	1008.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.5	10.4	495.7	950.0	24.1	20.3	99.9	99.9	99.9	99.9	303.7	346.8	16.1	70.8	999.9	999.9
1.4	12.5	730.6	928.0	23.7	19.4	99.9	99.9	99.9	99.9	303.5	345.4	15.6	77.2	999.9	999.9
2.2	14.8	970.3	900.0	22.3	18.9	99.9	99.9	99.9	99.9	303.5	348.6	16.5	85.9	999.9	999.9
3.1	16.9	1215.0	875.0	19.2	17.5	99.9	99.9	99.9	99.9	303.7	342.9	14.6	90.0	999.9	999.9
4.0	19.3	1465.0	850.0	19.1	16.3	99.9	99.9	99.9	99.9	308.2	332.0	9.1	96.6	999.9	999.9
5.0	21.5	1721.7	825.0	17.9	-0.3	99.9	99.9	99.9	99.9	308.2	322.8	4.7	27.0	999.9	999.9
5.9	23.9	1985.6	800.0	17.9	3.1	99.9	99.9	99.9	99.9	310.3	327.6	6.0	37.3	999.9	999.9
6.9	26.2	2256.2	775.0	16.3	-3.0	99.9	99.9	99.9	99.9	311.3	323.1	4.0	26.5	999.9	999.9
8.0	28.7	2534.0	750.0	14.3	-3.4	99.9	99.9	99.9	99.9	312.1	323.9	4.0	29.1	999.9	999.9
9.0	31.3	2818.8	725.0	11.7	-4.1	99.9	99.9	99.9	99.9	312.3	323.9	3.9	32.7	999.9	999.9
10.2	34.0	3110.7	700.0	8.9	-4.6	99.9	99.9	99.9	99.9	312.4	324.5	4.1	39.0	999.9	999.9
11.3	36.4	3410.9	675.0	6.4	-4.6	99.9	99.9	99.9	99.9	312.9	324.9	4.0	45.0	999.9	999.9
12.5	39.2	3719.1	650.0	3.7	-4.7	99.9	99.9	99.9	99.9	313.2	325.6	4.2	54.1	999.9	999.9
13.7	41.9	4036.3	625.0	0.7	-5.8	99.9	99.9	99.9	99.9	313.3	325.2	4.0	61.5	999.9	999.9
15.1	44.8	4362.9	600.0	-1.9	-7.5	99.9	99.9	99.9	99.9	313.9	324.9	3.6	65.5	999.9	999.9
16.4	47.8	4699.9	575.0	-4.9	-9.5	99.9	99.9	99.9	99.9	314.3	324.1	3.2	70.1	999.9	999.9
17.7	50.6	5048.2	550.0	-7.6	-11.3	99.9	99.9	99.9	99.9	315.1	324.1	2.9	74.8	999.9	999.9
19.1	53.8	5408.8	525.0	-10.1	-14.1	99.9	99.9	99.9	99.9	315.3	323.9	2.5	72.5	999.9	999.9
20.5	56.7	5762.9	500.0	-13.1	-17.4	99.9	99.9	99.9	99.9	317.1	322.0	1.5	53.8	999.9	999.9
21.8	60.0	6172.0	475.0	-15.7	-23.6	99.9	99.9	99.9	99.9	318.6	322.5	1.2	50.1	999.9	999.9
23.4	63.6	6579.2	450.0	-17.4	-25.7	99.9	99.9	99.9	99.9	321.4	325.0	1.1	49.7	999.9	999.9
24.9	66.9	7006.1	425.0	-18.9	-28.7	99.9	99.9	99.9	99.9	325.7	327.5	0.8	40.6	999.9	999.9
26.6	70.4	7455.2	400.0	-22.2	-31.1	99.9	99.9	99.9	99.9	328.2	329.6	0.7	43.7	999.9	999.9
29.4	74.1	7926.7	375.0	-24.9	-35.3	99.9	99.9	99.9	99.9	329.6	331.3	0.5	34.9	999.9	999.9
30.3	78.2	8424.8	350.0	-29.1	-42.6	99.9	99.9	99.9	99.9	329.5	330.5	0.2	25.7	999.9	999.9
32.3	82.2	8949.0	325.0	-34.2	-48.5	99.9	99.9	99.9	99.9	328.6	320.4	0.2	34.1	999.9	999.9
34.3	86.2	9503.8	300.0	-38.6	-48.4	99.9	99.9	99.9	99.9	331.0	321.8	0.2	48.3	999.9	999.9
36.4	90.8	10095.9	275.0	-43.5	-52.9	99.9	99.9	99.9	99.9	332.3	324.9	99.9	99.9	999.9	999.9
38.7	95.7	10729.3	250.0	-49.4	-59.9	99.9	99.9	99.9	99.9	332.7	327.9	99.9	99.9	999.9	999.9
41.2	100.6	11414.1	225.0	-51.9	-68.9	99.9	99.9	99.9	99.9	338.0	327.9	99.9	99.9	999.9	999.9
43.9	106.0	12170.9	200.0	-55.0	-77.0	99.9	99.9	99.9	99.9	343.7	327.9	99.9	99.9	999.9	999.9
47.0	111.8	13019.3	175.0	-57.0	-90.9	99.9	99.9	99.9	99.9	355.8	327.9	99.9	99.9	999.9	999.9
50.3	118.3	13984.5	150.0	-61.9	-99.9	99.9	99.9	99.9	99.9	363.4	327.9	99.9	99.9	999.9	999.9
54.0	125.5	15115.1	125.0	-61.6	-90.9	99.9	99.9	99.9	99.9	383.8	327.9	99.9	99.9	999.9	999.9
58.6	133.3	16505.8	100.0	-61.4	-98.9	99.9	99.9	99.9	99.9	409.1	327.9	99.9	99.9	999.9	999.9
64.4	141.3	18297.4	75.0	-59.9	-99.9	99.9	99.9	99.9	99.9	447.4	327.9	99.9	99.9	999.9	999.9
72.1	149.7	20564.2	50.0	-54.2	-90.9	99.9	99.9	99.9	99.9	515.9	327.9	99.9	99.9	999.9	999.9
84.2	158.3	25378.0	25.0	-47.5	-99.9	99.9	99.9	99.9	99.9	648.4	327.9	99.9	99.9	999.9	999.9

9 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662
RAPID CITY, SOUTH DAKOTA11 JUNE 1976
1700 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MK RTO GM/KG	PH PCT	RANGE KN	AZ DG
0.0	15.1	966.0	891.0	26.3	13.0	10.3	9.3	-1.6	-9.2	311.6	341.7	10.7	39.0	0.0	0.
99.9	99.9	99.9	1030.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	16.3	1126.3	875.0	25.8	10.8	10.4	7.0	-1.3	-6.9	310.6	337.1	9.4	39.1	0.4	184.
1.5	18.5	1350.7	850.0	23.3	11.0	12.2	9.1	-1.9	-8.9	310.6	338.3	9.8	40.0	0.8	189.
2.3	20.6	1640.4	825.0	21.3	9.9	358.7	8.7	0.2	-8.7	311.1	331.6	7.2	37.0	1.2	189.
3.2	22.8	1906.4	800.0	21.2	-0.8	324.2	7.7	4.5	-6.2	313.6	327.3	4.5	22.9	1.6	161.
4.1	25.2	2179.9	775.0	18.8	-0.4	305.8	6.4	4.9	-4.1	314.0	328.3	4.8	27.3	1.9	173.
5.0	27.4	2460.0	750.0	16.5	-2.7	264.9	7.6	6.9	-3.2	316.5	327.1	4.2	26.8	2.2	166.
6.0	29.8	2747.0	725.0	14.2	-7.1	295.3	8.9	8.1	-2.6	315.0	324.5	3.1	22.2	2.5	157.
7.0	32.3	3041.7	700.0	11.7	-8.5	301.6	5.8	4.9	-3.0	315.5	324.4	2.9	23.3	2.9	150.
8.1	34.9	3344.4	675.0	9.8	-10.4	3.4	3.2	-1.2	-3.2	316.6	324.6	2.6	22.6	3.1	150.
9.2	37.2	3656.5	650.0	7.5	-8.5	68.2	2.9	-1.8	0.4	317.4	327.0	3.1	31.1	3.2	154.
10.3	39.9	3978.2	625.0	5.2	-8.7	166.6	7.7	-1.8	7.5	318.4	328.3	3.2	35.9	2.6	155.
11.5	42.3	4310.9	600.0	3.4	-11.6	180.5	11.2	0.1	11.2	320.1	328.4	2.6	32.1	2.2	148.
12.7	45.1	4653.9	575.0	-0.1	-14.7	176.8	12.2	-0.7	12.2	319.9	326.7	2.1	32.2	1.6	131.
13.9	48.0	5007.5	550.0	-3.4	-17.3	171.4	12.7	-1.9	12.5	320.0	323.8	1.8	33.1	1.1	96.
15.0	50.8	5373.0	525.0	-6.9	-18.1	174.3	13.6	-1.4	13.5	320.1	323.7	1.7	40.5	1.2	52.
16.2	53.8	5751.7	500.0	-9.7	-36.5	182.3	13.4	0.5	13.4	321.2	323.7	0.4	11.2	1.9	27.
17.4	56.6	6145.6	475.0	-12.7	-39.2	189.5	13.8	2.3	13.7	322.3	323.3	0.3	8.9	2.9	21.
18.8	59.9	6554.7	450.0	-17.0	-41.3	195.2	15.5	4.1	15.0	321.9	323.8	0.2	10.0	4.1	18.
20.1	63.1	6950.3	425.0	-20.9	-41.5	199.1	17.9	5.9	16.9	322.2	323.0	0.2	13.7	5.3	18.
21.5	66.3	7425.7	400.0	-24.2	-44.4	202.7	20.9	8.1	19.3	323.4	324.2	0.2	13.4	7.1	19.
23.0	70.0	7892.2	375.0	-28.2	-47.1	201.7	23.6	8.8	21.9	324.3	324.8	0.1	14.4	9.0	20.
24.7	73.4	8384.1	350.0	-31.8	-50.1	196.5	25.3	7.1	23.9	325.9	325.3	0.1	14.3	11.4	19.
26.3	77.3	8903.2	325.0	-36.4	-53.4	196.5	24.0	6.9	23.0	326.5	325.8	0.1	14.8	13.9	19.
28.2	81.2	9452.8	300.0	-40.5	-56.9	197.1	23.0	6.7	22.0	324.3	324.9	99.9	99.9	16.6	19.
30.3	85.4	10039.8	275.0	-45.4	-59.9	207.0	22.0	10.0	19.6	329.5	329.9	99.9	99.9	19.2	19.
32.2	89.8	10669.1	250.0	-49.3	-59.9	219.7	28.0	17.9	21.6	332.8	332.8	99.9	99.9	22.1	21.
34.4	94.8	11357.6	225.0	-50.0	-59.9	223.2	36.4	24.9	25.5	341.9	339.9	99.9	99.9	25.2	24.
37.0	99.8	12129.2	200.0	-49.3	-59.9	205.9	26.0	11.7	24.2	354.7	354.7	99.9	99.9	30.9	27.
39.6	105.3	12997.0	175.0	-52.9	-59.9	213.6	29.7	16.4	24.8	362.6	362.6	99.9	99.9	35.5	26.
42.8	111.3	13985.5	150.0	-55.8	-59.9	231.4	24.6	18.4	15.5	373.9	373.9	99.9	99.9	40.3	26.
46.2	118.0	15138.0	125.0	-58.1	-59.9	241.0	4.2	4.6	2.5	389.9	389.9	99.9	99.9	43.3	31.
50.8	126.0	16533.3	100.0	-62.0	-59.9	193.3	8.3	1.9	6.1	407.9	407.9	99.9	99.9	45.0	30.
56.1	135.0	18324.8	75.0	-59.8	-59.9	123.4	8.8	-7.3	4.8	447.7	447.7	99.9	99.9	46.3	29.
63.3	143.7	20908.0	50.0	-55.3	-59.9	141.1	3.3	-2.1	2.5	513.3	513.3	99.9	99.9	47.2	27.
75.0	153.3	25428.4	25.0	-46.5	-59.9	95.3	5.3	-5.2	0.5	651.3	651.3	99.9	99.9	48.2	23.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 734
 SAULT STE. MARIE, MICHIGAN

 11 JUNE 1976
 1800 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y OG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0-0	7-4	221-0	981-4	20-6	13-3	310-0	8-2	6-3	-5-3	295-3	321-4	9-9	63-0	0-0	0-
99-9	99-9	1000-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
0-1	7-9	277-5	975-0	19-2	11-8	301-6	9-3	8-0	-4-9	294-5	318-2	9-0	62-3	0-3	134-
0-9	10-1	499-5	950-0	19-6	10-6	298-5	10-6	9-3	-5-1	293-0	315-4	8-5	72-1	0-6	120-
1-7	12-0	725-3	925-0	13-4	10-7	301-0	9-5	8-1	-4-9	293-0	316-1	8-8	83-8	1-1	119-
2-6	14-3	958-1	900-0	12-6	8-5	317-6	8-2	5-5	-6-0	294-5	315-3	7-8	76-2	1-5	121-
3-3	16-3	1193-0	875-0	12-2	10-1	350-4	6-6	1-1	-6-5	296-5	320-3	8-9	86-8	1-8	127-
4-2	18-6	1435-0	850-0	10-9	6-7	6-0	7-4	-6-8	-7-4	297-6	320-1	8-4	86-4	2-1	133-
5-1	20-8	1695-0	825-0	10-2	5-6	351-5	9-4	1-4	-9-3	299-4	318-4	6-9	72-8	2-3	143-
6-1	23-2	1941-8	800-0	11-9	-1-5	325-0	16-6	7-0	-15-0	303-8	316-2	4-3	79-7	3-1	147-
7-1	25-5	2208-0	775-0	11-9	-6-6	326-5	17-2	9-4	-14-4	306-7	315-6	3-0	26-7	4-2	142-
8-2	27-9	2480-9	750-0	9-9	-16-2	330-2	17-2	6-5	-14-9	307-3	311-8	1-5	14-4	5-3	148-
9-1	30-4	2762-2	725-0	9-5	-20-3	334-8	16-9	7-2	-15-3	309-9	313-2	1-0	10-2	6-2	149-
10-0	33-1	3051-7	700-0	7-4	-28-8	334-1	17-8	7-8	-16-0	310-7	312-4	0-5	5-5	7-1	150-
11-0	35-6	3350-2	675-0	6-3	-32-2	329-7	19-5	9-9	-16-9	312-7	314-0	0-4	4-3	8-2	150-
12-1	38-2	3659-5	650-0	5-2	-30-9	323-9	21-5	12-7	-17-3	314-9	316-4	0-4	6-2	9-6	150-
13-1	40-9	3977-3	625-0	3-3	-34-3	317-4	22-7	14-0	-15-2	316-3	317-4	0-3	4-3	11-2	148-
14-6	43-7	4307-1	600-0	1-9	-41-8	304-1	21-2	16-7	-13-1	318-3	318-9	0-2	2-2	12-7	146-
15-7	46-6	4648-3	575-0	-1-0	-48-0	307-5	21-0	17-7	-11-3	318-9	319-2	0-1	1-4	14-0	148-
16-9	49-8	5000-6	550-0	-3-9	-49-0	307-3	20-6	17-7	-10-5	319-5	319-9	0-1	1-5	15-4	142-
18-1	52-6	5365-8	525-0	-6-7	-45-9	302-4	22-3	18-8	-11-9	320-4	320-9	0-1	2-8	16-9	140-
19-5	55-7	5744-2	500-0	-10-1	-45-9	302-4	22-3	18-8	-11-9	320-4	321-3	0-1	3-4	18-6	139-
20-9	59-0	6136-9	475-0	-13-6	-46-2	300-0	22-6	19-6	-11-3	321-1	321-6	0-1	4-4	20-4	137-
22-1	62-3	6549-0	450-0	-16-6	-47-7	307-3	24-6	20-8	-13-1	322-3	322-8	0-1	5-3	22-1	136-
23-6	65-8	6972-4	425-0	-20-2	-49-2	302-9	23-3	19-6	-12-7	323-0	323-4	0-1	5-5	24-2	134-
25-1	69-5	7418-0	400-0	-24-3	-49-5	309-2	24-5	19-1	-15-5	323-4	323-8	0-1	7-7	26-3	134-
26-9	73-1	7868-2	375-0	-28-7	-50-5	310-9	24-3	18-4	-15-9	323-7	324-1	0-1	10-0	28-7	133-
28-4	77-2	8374-3	350-0	-32-8	-53-9	313-2	23-0	18-2	-17-1	324-6	324-8	0-1	10-0	31-1	132-
30-2	81-0	8892-4	325-0	-35-7	-55-6	321-1	22-6	17-8	-23-7	327-5	327-7	0-1	10-9	34-0	134-
32-4	85-4	9445-2	300-0	-39-5	-59-9	327-6	17-3	14-2	-34-4	329-8	329-9	99-9	99-9	39-3	136-
34-5	89-8	10033-5	275-0	-43-7	-59-9	340-3	13-2	13-2	-37-0	332-0	332-0	99-9	99-9	42-9	136-
36-7	94-8	10670-4	250-0	-48-2	-59-9	332-1	13-2	13-2	-35-2	334-4	334-4	99-9	99-9	47-6	140-
39-1	99-6	11356-3	225-0	-53-5	-59-9	321-1	41-7	25-0	-33-3	336-5	336-5	99-9	99-9	53-6	141-
41-7	105-0	12104-7	200-0	-57-6	-59-9	313-9	33-6	24-2	-23-3	341-5	341-5	99-9	99-9	60-1	141-
44-8	111-0	12468-9	175-0	-51-4	-59-9	298-1	26-1	23-1	-12-3	345-1	345-1	99-9	99-9	64-9	140-
47-9	117-3	13954-3	150-0	-56-9	-59-9	297-7	27-8	24-6	-12-9	342-0	342-0	99-9	99-9	69-8	138-
51-5	124-7	15105-4	125-0	-55-1	-59-9	293-2	21-0	17-6	-11-5	345-2	345-2	99-9	99-9	75-4	137-
54-3	132-3	16326-7	100-0	-58-1	-59-9	294-8	17-3	15-7	-7-2	415-5	415-5	99-9	99-9	78-9	135-
62-2	140-3	18337-2	75-0	-57-7	-59-9	322-2	8-6	5-3	-6-8	452-0	452-0	99-9	99-9	82-4	136-
70-6	149-3	20927-7	50-0	-54-0	-59-9	172-5	1-0	-0-1	1-0	516-2	516-2	99-9	99-9	83-6	136-
83-8	158-7	25473-7	25-0	-45-3	-59-9	163-5	7-2	-7-0	1-7	654-8	654-8	99-9	99-9	81-6	137-

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
INTL. FALLS, MINNESOTA11 JUNE 1976
1300 GMT

TIME MIN	CNTCT	HEIGHT GPH	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	WIND GPH/KG	DIR PCT	FEET KM	17.0
00	7.4	359.0	965.3	23.3	15.6	99.0	5.7	-5.7	0.0	299.5	330.6	11.7	62.0	0.0	0
01	99.9	99.9	1000.0	22.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	99.9	99.9	975.0	21.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	8.8	436.4	950.0	21.0	14.0	99.9	6.4	-6.3	1.1	299.2	327.8	10.7	62.0	0.2	273
04	10.7	729.3	925.0	19.0	14.6	112.8	6.7	-5.5	2.3	299.5	329.9	11.4	72.2	0.4	277
05	12.8	964.9	900.0	17.6	13.1	137.3	7.1	-5.1	5.5	299.6	328.1	10.6	75.2	0.7	288
06	2.9	1205.5	875.0	16.2	9.9	153.0	9.3	-3.9	8.5	309.6	324.6	8.8	66.2	1.1	305
07	3.6	1452.1	850.0	16.7	-3.4	157.8	5.0	-1.9	4.6	303.6	313.8	3.5	25.0	1.5	314
08	4.7	1705.6	825.0	15.6	-5.9	185.0	1.3	0.2	1.3	305.0	313.9	3.0	22.3	1.7	317
09	5.6	1966.1	800.0	15.1	-8.4	200.4	1.9	3.8	-0.7	307.2	314.9	2.5	18.9	1.6	318
10	6.3	2238.2	775.0	13.7	-1.4	200.4	8.2	6.2	-0.2	308.5	325.5	5.9	46.4	1.4	327
11	25.6	2509.6	750.0	11.7	-5.5	272.5	8.4	6.4	-0.4	309.3	319.4	3.4	29.6	1.2	347
12	30.5	2791.8	725.0	9.6	-3.6	284.3	8.0	7.6	-2.2	310.0	321.9	4.0	39.1	1.2	36
13	30.5	3082.3	700.0	7.5	-3.2	290.2	8.7	8.1	-3.0	310.9	323.6	4.3	46.4	1.1	30
14	32.9	3380.6	675.0	5.4	-8.0	270.4	8.6	8.5	-1.3	311.7	321.0	3.1	37.3	1.3	50
15	11.0	353.5	650.0	3.2	-12.2	261.8	8.9	6.8	1.3	312.6	319.7	2.3	31.2	1.8	61
16	12.0	4003.8	625.0	0.1	-15.4	259.2	9.5	9.3	1.6	312.6	319.4	1.8	30.0	2.3	65
17	13.1	4330.2	600.0	-1.3	-21.0	271.4	8.8	8.8	-0.2	314.7	318.6	1.2	20.6	2.9	69
18	14.3	4669.0	575.0	-3.1	-23.4	280.9	9.2	8.8	-2.7	316.1	319.4	1.0	19.3	3.3	73
19	15.1	5017.9	550.0	-5.8	-25.5	288.9	12.6	11.9	-4.1	317.2	323.1	0.9	19.3	3.6	79
20	16.2	5380.3	525.0	-8.9	-30.4	282.5	13.9	13.5	-3.0	317.8	319.4	0.6	15.4	4.7	85
21	17.3	5753.9	500.0	-11.1	-32.4	272.1	11.2	11.2	-0.4	319.6	321.3	0.5	15.2	5.6	87
22	18.6	6142.1	475.0	-13.5	-35.5	257.9	9.4	9.2	2.0	321.3	322.6	0.4	13.6	6.4	88
23	20.0	6558.5	450.0	-16.3	-37.5	257.8	8.3	8.2	1.8	323.8	324.0	0.3	13.9	7.1	85
24	21.4	6985.7	425.0	-19.6	-40.0	264.5	9.7	9.6	0.9	323.9	324.9	0.3	14.2	7.8	85
25	22.7	7433.3	400.0	-22.8	-42.4	269.4	10.8	10.8	0.1	325.4	324.2	0.2	14.6	8.6	85
26	24.2	7902.6	375.0	-26.7	-44.3	274.4	12.3	12.3	0.6	326.2	327.0	0.2	16.9	9.7	86
27	25.7	8397.4	350.0	-30.2	-46.6	273.3	10.2	10.2	-0.6	328.0	328.6	0.2	18.2	10.7	86
28	27.4	8915.3	325.0	-35.0	-50.5	275.0	10.1	10.1	-0.9	329.5	329.9	0.1	18.5	11.7	87
29	29.1	9472.5	300.0	-39.6	-54.3	283.1	9.0	8.8	-2.0	329.6	329.9	0.1	18.9	12.6	88
30	30.9	10062.1	275.0	-44.4	-59.0	288.4	8.9	8.5	-2.8	330.9	330.9	99.9	99.9	13.5	89
31	32.7	10693.7	250.0	-50.0	-64.0	313.9	8.2	5.9	-5.7	331.8	331.8	99.9	99.9	14.3	91
32	34.8	11374.3	225.0	-55.3	-69.9	297.9	7.4	4.6	-3.5	333.8	333.8	99.9	99.9	15.0	93
33	36.9	12117.7	200.0	-60.7	-74.9	281.3	9.9	9.7	-2.2	338.2	338.2	99.9	99.9	16.1	94
34	39.4	12955.1	175.0	-67.9	-80.9	286.4	20.6	19.9	-5.1	344.3	344.3	99.9	99.9	18.5	95
35	42.3	13925.1	150.0	-75.3	-89.9	277.4	22.0	21.8	-2.8	369.6	369.6	99.9	99.9	22.2	96
36	46.0	15064.7	125.0	-80.4	-99.9	275.1	18.6	18.4	-1.7	385.7	385.7	99.9	99.9	25.9	96
37	50.5	16475.2	100.0	-88.0	-109.9	119.1	5.6	3.6	-4.2	415.7	415.7	99.9	99.9	30.2	96
38	56.1	18282.6	75.0	-98.3	-129.9	297.1	5.2	4.6	-2.4	450.8	450.8	99.9	99.9	31.8	99
39	64.1	20662.0	50.0	-99.9	-139.9	65.1	2.6	-2.3	-1.1	511.8	511.8	99.9	99.9	32.4	100
40	76.7	25391.5	25.0	-99.9	-149.9	86.9	9.5	-5.5	-0.5	650.0	650.0	99.9	99.9	28.6	102

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 764
 BISMARCK, NORTH DAKOTA

 11 JUNE 1976
 1710 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCUP M/SEC	POT T DG K	E PLY T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
3.0	11.4	503.0	941.4	26.1	16.4	100.2	4.1	-4.0	0.7	304.5	338.6	12.6	55.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.6	12.9	659.0	925.0	27.8	14.3	138.8	6.8	-4.5	5.1	307.8	338.6	11.2	43.7	0.3	113.
1.5	13.3	901.7	950.0	26.0	9.7	125.9	6.7	-5.5	4.0	308.4	332.1	8.4	35.6	0.7	113.
2.3	17.6	1148.2	875.0	23.7	6.7	110.3	7.0	-6.5	2.4	308.4	329.5	7.1	33.5	1.0	308.
3.0	20.1	1400.3	850.0	21.9	4.7	69.7	5.1	-4.8	-1.8	309.1	327.2	6.3	32.6	1.3	373.
4.1	22.4	1658.7	825.0	20.6	2.5	32.2	4.3	-2.3	-3.7	310.4	326.6	5.8	30.0	1.4	289.
5.1	25.0	1923.5	800.0	18.9	1.1	18.9	0.7	-0.2	-0.7	311.3	324.5	5.2	30.4	1.4	282.
6.2	27.4	2195.1	775.0	16.7	0.7	307.3	0.5	0.4	-0.3	311.8	327.1	5.2	33.6	1.4	281.
7.2	30.1	2473.1	750.0	14.1	0.6	359.9	0.8	0.0	-0.8	311.9	327.5	5.3	33.6	1.4	279.
8.3	32.9	2757.9	725.0	11.9	0.9	157.2	1.6	-0.6	1.5	312.5	329.1	5.7	46.9	1.4	279.
9.4	35.5	3050.9	700.0	10.3	0.2	158.0	6.4	-2.4	6.0	313.9	330.2	5.6	49.6	1.5	287.
10.5	38.3	3332.6	675.0	7.8	-1.0	163.9	11.1	-3.1	10.7	314.4	330.1	5.3	53.6	1.9	301.
11.6	41.0	3653.1	650.0	6.6	-4.4	172.8	14.6	-1.8	14.5	316.4	329.3	4.3	45.7	2.6	315.
12.7	44.0	3984.7	625.0	4.4	-7.8	183.9	16.5	1.1	16.5	317.4	327.9	3.4	40.7	3.4	327.
13.7	47.1	4315.3	600.0	1.9	-9.7	187.4	14.7	2.2	16.6	318.4	327.9	3.1	41.9	4.3	336.
14.9	50.2	4657.0	575.0	-1.2	-10.0	188.3	17.2	2.5	17.1	318.6	324.2	3.1	51.3	5.3	343.
16.0	53.3	5009.8	550.0	-4.3	-10.5	189.6	17.4	2.9	17.2	319.0	328.8	3.1	61.9	6.4	347.
17.3	56.3	5374.5	525.0	-7.6	-10.9	191.1	17.8	3.4	17.4	319.3	329.2	2.2	77.1	7.6	351.
18.7	59.7	5722.6	500.0	-10.4	-14.4	194.4	17.9	4.4	17.3	320.3	324.3	2.5	72.7	9.1	355.
20.2	63.3	6145.4	475.0	-13.5	-21.2	200.0	20.6	7.0	19.3	321.2	328.0	1.5	52.1	10.7	358.
21.7	66.7	6554.5	450.0	-16.7	-23.3	206.8	20.5	0.2	18.3	322.2	326.6	1.3	57.4	12.4	2.
23.3	70.4	6931.4	425.0	-19.7	-25.8	211.3	22.0	11.4	18.6	323.8	324.9	0.3	16.7	14.2	6.
24.9	74.2	7428.6	400.0	-23.2	-42.7	215.2	20.9	12.1	17.1	324.8	325.6	0.2	14.7	14.1	9.
26.5	78.3	7897.0	375.0	-27.6	-44.8	218.7	20.8	13.0	16.2	325.9	325.7	0.2	17.5	17.9	12.
28.3	82.4	8389.6	350.0	-30.9	-45.1	221.3	19.2	12.6	14.4	327.1	327.8	0.2	17.0	19.9	15.
30.2	86.7	8912.2	325.0	-34.6	-51.4	208.0	18.8	8.8	16.4	329.0	329.4	0.1	15.8	21.9	17.
32.4	91.4	9457.0	300.0	-38.4	-50.8	202.8	14.7	5.7	13.5	331.2	331.7	0.1	26.3	24.1	18.
34.2	96.0	10059.7	275.0	-43.0	99.9	190.1	12.0	2.1	11.8	333.0	999.9	99.9	999.9	25.6	18.
36.7	101.8	10693.8	250.0	-49.0	99.9	197.5	10.5	3.2	10.1	333.2	999.9	99.9	999.9	27.1	17.
39.7	106.8	11376.0	225.0	-55.1	99.9	206.4	14.9	6.6	13.3	334.0	999.9	99.9	999.9	28.6	17.
41.4	112.5	12124.4	200.0	-54.8	99.9	235.4	20.2	14.7	11.3	346.1	999.9	99.9	999.9	30.8	20.
44.4	118.8	12990.2	175.0	-52.9	99.9	235.2	30.4	24.9	17.3	362.6	999.9	99.9	999.9	34.8	24.
47.6	125.6	12978.5	150.0	-56.9	99.9	245.7	17.8	14.2	7.3	372.1	999.9	99.9	999.9	38.7	28.
51.5	133.0	15120.9	125.0	-58.8	99.9	257.3	17.8	17.4	2.9	385.6	999.9	99.9	999.9	41.9	31.
54.3	140.5	16520.3	100.0	-60.1	99.9	232.5	14.5	11.5	6.9	411.7	999.9	99.9	999.9	44.7	34.
58.0	146.3	18317.0	75.0	-58.0	99.9	184.4	3.4	7.3	3.4	451.4	999.9	99.9	999.9	46.2	34.
62.8	156.7	20898.9	50.0	-54.4	99.9	153.4	5.2	-2.3	4.7	515.4	999.9	99.9	999.9	46.2	33.
68.1	165.0	25386.4	25.0	-48.4	99.9	166.3	6.8	-1.4	6.5	645.4	999.9	99.9	999.9	46.8	30.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 768
GLASGOW, MONTANA

11 JUNE 1976
1700 GMT

TIME MIN	CNTCT	HEIGHT GP4	PRES 45	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM DCT	RANGE KM	AZ DG
0.3	13.4	696.0	921.7	21.1	14.5	300.0	7.7	6.7	-3.8	301.2	331.8	11.4	66.0	0.0	0.
99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	15.4	901.9	900.0	18.8	11.4	307.0	5.1	4.1	-3.1	302.9	325.6	9.5	62.0	0.3	130.
1.5	17.8	1142.9	875.0	16.1	10.6	328.7	5.3	3.3	-5.4	300.6	325.6	9.2	69.7	0.6	134.
2.5	20.3	1388.9	850.0	13.8	8.3	325.4	6.0	3.4	-5.0	300.6	322.9	8.2	69.6	1.0	140.
3.6	22.7	1640.7	825.0	13.3	5.8	323.0	4.7	2.9	-3.9	302.0	322.2	7.1	60.7	1.3	141.
4.6	25.3	1890.0	800.0	11.6	4.2	294.0	2.1	1.9	-0.8	303.5	321.6	6.5	60.5	1.6	141.
5.5	27.8	2164.2	775.0	10.0	3.5	154.5	0.9	0.2	0.3	304.5	322.4	6.4	64.0	1.6	139.
6.5	30.6	2436.7	750.0	9.3	1.0	259.6	2.3	2.5	0.5	306.5	322.4	5.5	56.3	1.6	136.
7.5	33.2	2717.1	725.0	7.6	-1.5	272.7	4.8	4.8	-0.2	307.8	322.4	5.1	56.2	1.8	131.
8.5	35.8	3006.5	700.0	7.6	-6.4	256.6	7.1	6.9	1.6	310.9	321.2	3.4	36.5	2.0	124.
9.4	38.6	3306.0	675.0	7.0	-10.7	242.0	7.2	6.3	3.4	313.5	321.3	2.5	27.0	2.4	114.
10.7	41.3	3614.5	650.0	4.4	-10.8	219.3	7.7	4.9	6.0	314.0	321.9	2.6	32.1	2.6	104.
11.9	44.4	3932.7	625.0	1.9	-9.5	201.9	9.3	3.5	8.6	314.6	323.8	3.0	42.5	2.9	92.
13.1	47.4	4260.5	600.0	-1.0	-9.5	184.4	10.4	1.7	10.3	315.0	324.5	3.1	52.3	3.1	79.
14.4	50.4	4594.5	575.0	-4.0	-12.4	183.8	10.9	0.7	10.8	315.3	323.3	2.6	52.1	3.4	66.
15.6	53.4	4947.4	550.0	-7.2	-15.7	183.0	11.5	0.6	11.4	315.6	322.0	2.1	50.7	3.9	55.
17.1	56.5	5308.1	525.0	-9.9	-26.5	180.4	13.1	0.6	12.9	316.6	319.6	0.9	26.4	4.6	45.
18.4	59.9	5682.9	500.0	-12.4	-37.4	199.4	15.3	5.2	14.4	317.9	319.0	0.3	10.3	5.6	39.
19.8	63.3	6072.4	475.0	-15.5	-34.6	207.1	19.9	9.1	17.7	319.8	320.3	0.4	17.5	7.0	36.
21.4	66.7	6478.4	450.0	-18.2	-35.1	202.5	24.9	9.6	23.0	320.4	321.9	0.4	20.8	9.1	34.
23.0	70.3	6902.3	425.0	-21.9	-36.3	199.2	27.0	8.9	25.7	320.9	322.4	0.4	25.6	11.6	31.
24.6	74.0	7344.9	400.0	-25.9	-34.8	200.4	28.6	10.0	26.8	321.4	322.5	0.3	28.4	14.2	29.
26.3	78.0	7808.9	375.0	-29.7	-42.9	196.8	29.2	8.4	27.9	322.3	323.1	0.2	26.1	17.1	27.
28.0	81.8	8290.9	350.0	-33.6	-46.4	195.8	29.4	8.0	28.3	323.4	324.0	0.2	26.1	20.2	25.
29.9	86.0	8812.3	325.0	-37.5	-50.5	193.4	29.4	6.9	29.0	325.0	325.4	0.1	24.0	23.3	24.
31.9	90.6	9360.0	300.0	-41.8	99.9	192.9	29.6	6.7	29.0	326.4	999.9	99.9	99.9	26.9	23.
34.3	95.3	9943.3	275.0	-46.6	99.9	191.3	27.0	5.3	26.4	327.7	999.9	99.9	99.9	30.8	21.
36.8	100.2	10569.6	250.0	-51.4	99.9	190.2	26.4	4.7	26.3	329.7	999.9	99.9	99.9	35.0	20.
39.2	105.3	11247.3	225.0	-54.0	99.9	184.1	26.9	1.9	26.9	335.8	999.9	99.9	99.9	38.9	19.
41.8	110.8	12004.5	200.0	-57.4	99.9	201.4	24.6	9.2	23.0	348.3	999.9	99.9	99.9	43.0	18.
45.1	117.0	12875.8	175.0	-59.9	99.9	215.1	15.3	11.0	15.8	367.5	999.9	99.9	99.9	47.4	19.
48.4	123.8	13876.1	150.0	-52.9	99.9	211.2	18.1	9.4	15.5	379.0	999.9	99.9	99.9	51.6	20.
52.6	131.0	15056.0	125.0	-50.9	99.9	232.1	13.7	10.8	8.4	402.9	999.9	99.9	99.9	55.7	22.
57.4	138.8	16489.7	100.0	-56.3	99.9	192.9	6.0	1.3	5.4	419.0	999.9	99.9	99.9	58.2	22.
63.8	147.0	18304.5	75.0	-56.2	99.9	218.7	1.2	0.8	1.0	455.0	999.9	99.9	99.9	63.4	22.
72.2	156.0	20910.2	50.0	-52.4	99.9	153.6	8.7	-3.9	7.9	520.0	999.9	99.9	99.9	61.1	21.
85.5	165.5	25454.2	25.0	-44.8	99.9	78.7	9.4	-9.4	-1.9	656.1	999.9	99.9	99.9	60.9	16.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 775
GREAT FALLS, MONTANA11 JUNE 1976
1705 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V CC4P M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	151	20.0	0
0.3	16.8	1118.0	889.8	18.3	8.8	240.0	4.1	3.6	2.1	302.2	324.6	8.1	54.0	0.0	0.0	0.
9.9	99.9	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
0.3	17.4	1173.9	875.0	12.7	6.5	274.6	3.8	3.8	-0.3	297.0	315.8	7.0	65.7	0.3	61.0	61.
1.2	19.8	1416.3	850.0	10.1	4.5	302.9	2.4	2.0	-1.3	296.7	313.7	6.2	68.3	0.4	73.0	73.
2.1	22.1	1663.8	825.0	8.0	1.6	6.5	2.9	-0.3	-2.9	297.1	311.4	5.2	63.7	0.4	91.0	91.
2.9	24.6	1917.0	800.0	5.9	0.3	7.6	4.5	-0.6	-4.4	297.5	311.0	4.9	66.9	0.4	111.0	111.
3.6	27.0	2176.2	775.0	3.8	-0.8	15.7	5.8	-1.6	-5.5	297.9	310.8	4.7	71.9	0.5	136.0	136.
4.6	29.7	2441.7	750.0	1.2	-2.2	6.3	5.2	-0.6	-5.2	297.9	312.0	4.3	78.0	0.8	159.0	159.
5.3	32.3	2713.8	725.0	-0.6	-1.5	10.3	1.2	-0.2	-1.2	298.8	312.1	4.7	93.2	0.9	183.0	183.
6.2	35.1	2995.3	700.0	-0.1	-0.7	173.0	3.2	-0.4	3.1	302.4	317.1	5.2	95.8	0.8	182.0	182.
7.2	37.7	3285.6	675.0	-1.1	-1.8	169.6	4.2	-0.7	4.1	304.5	319.7	5.6	94.6	0.6	159.0	159.
8.1	40.5	3587.6	650.0	-2.5	-3.3	178.3	5.6	-0.2	5.6	306.2	319.5	4.6	94.3	0.4	154.0	154.
9.3	43.3	3898.2	625.0	-4.4	-5.3	191.5	5.9	1.2	5.7	307.4	319.4	4.1	93.6	0.3	72.0	72.
10.2	46.3	4219.1	600.0	-6.4	-7.3	169.3	4.1	-0.8	4.0	308.8	319.6	3.7	93.0	0.5	38.0	38.
11.2	49.3	4551.0	575.0	-8.3	-10.2	202.0	6.0	2.3	5.6	310.3	319.5	3.1	85.9	0.7	22.0	22.
12.4	52.1	4895.1	550.0	-10.7	-12.6	170.3	6.1	-1.0	17.0	311.4	319.5	2.6	85.5	1.1	14.0	14.
13.6	55.3	5251.3	525.0	-11.5	-14.8	195.7	5.9	2.0	5.5	312.3	319.4	2.3	89.7	1.5	15.0	15.
14.9	58.5	5627.6	500.0	-15.9	-17.8	180.0	7.5	0.0	7.5	313.7	315.6	0.6	26.2	2.0	14.0	14.
16.0	62.0	6005.6	475.0	-17.9	-19.2	169.5	6.3	-1.1	16.2	315.8	317.3	0.4	22.3	2.5	14.0	14.
17.2	65.4	6408.0	450.0	-20.9	-23.8	156.5	3.3	-1.3	3.1	317.0	319.4	0.4	24.5	2.8	7.0	7.
18.7	69.0	6826.9	425.0	-24.6	-29.6	159.9	2.5	-0.9	2.4	317.5	319.5	0.3	23.1	3.0	4.0	4.
20.1	72.5	7265.3	400.0	-28.4	-34.6	167.9	2.8	-0.6	2.8	318.1	318.6	0.1	14.0	3.2	3.0	3.
21.7	76.5	7726.7	375.0	-32.0	-38.8	134.6	5.4	-3.9	3.9	319.3	319.5	0.1	8.3	3.5	1.0	1.
23.1	80.4	8208.5	350.0	-35.4	-42.7	131.3	6.3	-4.7	4.1	321.1	321.1	0.0	1.0	3.9	35.0	35.
24.8	84.7	8719.9	325.0	-39.7	-47.5	120.6	4.4	-3.8	2.2	322.0	322.0	0.0	1.0	4.3	34.0	34.
26.8	89.0	9261.0	300.0	-44.8	-52.9	112.3	5.0	-4.7	1.9	322.3	322.3	0.9	99.9	4.7	34.0	34.
28.6	93.6	9837.0	275.0	-49.7	-57.9	117.5	2.7	-2.4	1.2	323.2	323.2	0.9	99.9	4.9	34.0	34.
30.3	98.5	10457.5	250.0	-52.6	-61.7	101.7	4.9	-1.5	4.6	328.1	328.1	0.9	99.9	5.2	33.0	33.
32.2	103.6	11138.4	225.0	-50.1	-59.9	173.4	10.9	-1.3	10.8	341.7	341.7	0.9	99.9	6.1	33.0	33.
34.4	109.3	11908.3	200.0	-49.4	-59.9	175.5	13.1	-1.0	13.1	354.6	354.6	0.9	99.9	7.6	34.0	34.
37.0	115.4	12782.2	175.0	-50.2	-59.9	193.5	17.6	4.1	17.1	370.0	370.0	0.9	99.9	9.8	34.0	34.
39.9	122.0	13787.4	150.0	-51.5	-59.9	201.0	16.8	6.0	15.7	381.4	381.4	0.9	99.9	12.7	35.0	35.
43.5	129.7	14979.3	125.0	-48.9	-59.9	204.1	14.0	5.7	12.8	406.4	406.4	0.9	99.9	15.7	1.0	1.
47.7	137.5	16426.3	100.0	-54.9	-59.9	183.4	11.1	0.7	11.1	421.7	421.7	0.9	99.9	18.2	3.0	3.
52.8	145.7	18249.8	75.0	-59.0	-59.9	210.6	3.0	1.5	2.5	440.3	440.3	0.9	99.9	20.4	3.0	3.
60.2	155.0	20836.1	50.0	-53.1	-59.9	144.9	6.5	-3.7	5.3	518.3	518.3	0.9	99.9	21.6	36.0	36.
71.4	164.3	25372.5	25.0	-48.1	-59.9	103.5	8.9	-8.6	2.1	646.8	646.8	0.9	99.9	23.3	35.0	35.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE 95FN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 77001
UNIV. OF TENNESSEE11 JUNE 1976
1725 GMT

TIME MIN	CNTCT	HEIGHT GFM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.2	300.0	978.7	28.6	18.4	210.0	0.5	0.2	0.4	303.6	340.7	13.8	54.0	166	16.0
99.9	99.9	59.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	0.0
0.2	7.6	333.7	975.0	27.6	18.6	208.3	2.3	2.1	-1.0	302.9	340.7	14.1	58.4	999.9	0.1
1.0	10.0	563.1	950.0	24.8	17.2	306.9	4.0	3.2	-2.4	302.3	337.7	13.2	62.9	999.9	0.2
1.7	12.1	796.4	925.0	21.8	15.5	318.0	4.3	2.9	-2.2	301.7	334.2	12.1	67.4	999.9	0.4
2.5	14.4	1034.0	900.0	19.7	14.3	322.4	4.2	2.5	-3.3	301.9	332.9	11.5	71.0	999.9	0.6
3.3	16.5	1276.4	875.0	17.3	13.5	330.5	3.1	1.5	-2.7	301.7	332.0	11.2	76.7	999.9	0.8
4.3	18.9	1523.6	850.0	15.0	13.8	323.7	2.7	1.6	-2.2	301.9	333.7	11.8	92.6	999.9	0.9
5.1	21.1	1776.2	825.0	12.9	12.3	316.0	2.8	1.9	-2.0	302.2	332.0	11.0	96.4	999.9	1.1
6.2	23.6	2034.8	800.0	11.3	7.7	302.2	2.0	1.7	-1.1	303.2	326.1	8.3	78.6	999.9	1.2
7.3	25.9	2299.5	775.0	8.8	7.8	288.1	1.5	1.5	-0.4	303.3	327.1	8.6	93.4	999.9	1.3
8.6	28.6	2570.7	750.0	6.8	5.9	238.1	1.1	0.9	0.7	303.9	325.6	7.8	94.4	999.9	1.4
9.9	31.2	2848.1	725.0	4.7	99.9	127.9	1.0	-0.7	0.3	304.7	999.9	99.9	99.9	999.9	1.5
11.3	33.9	3132.7	700.0	3.4	99.9	220.1	0.4	0.2	0.3	306.2	999.9	99.9	99.9	999.9	1.6
12.5	36.4	3427.6	675.0	4.2	99.9	300.4	2.5	2.2	-1.3	310.3	999.9	99.9	99.9	999.9	1.7
13.8	39.3	3734.0	650.0	3.2	99.9	300.5	4.0	3.5	-2.0	312.6	999.9	99.9	99.9	999.9	1.8
14.9	41.9	4059.1	625.0	0.7	99.9	316.2	4.2	2.7	-3.2	313.2	999.9	99.9	99.9	999.9	1.9
15.9	44.9	4375.9	600.0	-2.0	99.9	335.1	5.1	2.1	-4.6	313.9	999.9	99.9	99.9	999.9	2.1
17.2	48.0	4712.1	575.0	-4.7	99.9	338.1	5.2	2.4	-4.6	314.5	999.9	99.9	99.9	999.9	2.3
18.6	50.9	5061.0	550.0	-5.9	99.9	312.6	5.0	3.7	-3.4	317.1	999.9	99.9	99.9	999.9	2.5
20.1	54.1	5423.9	525.0	-7.6	99.9	304.3	3.9	3.2	-2.2	319.3	999.9	99.9	99.9	999.9	2.7
21.3	57.3	5872.2	500.0	-9.9	99.9	307.1	4.7	3.7	-2.8	321.0	999.9	99.9	99.9	999.9	2.9
22.5	60.6	6195.7	475.0	-12.4	99.9	301.2	4.8	4.1	-2.5	322.7	999.9	99.9	99.9	999.9	3.1
23.9	64.7	6606.7	450.0	-14.6	-19.5	320.3	5.6	2.8	-4.1	324.9	999.9	99.9	99.9	999.9	3.3
25.3	67.7	7038.0	425.0	-17.3	-23.1	344.7	9.4	2.5	-10.1	331.5	999.9	99.9	99.9	999.9	3.5
26.8	71.3	7489.8	400.0	-20.7	-25.5	350.1	10.7	1.8	-10.1	331.2	999.9	99.9	99.9	999.9	3.7
28.5	75.3	7965.0	375.0	-23.5	-30.3	343.2	12.7	3.3	-12.3	330.5	999.9	99.9	99.9	999.9	3.9
30.0	79.5	8465.7	350.0	-27.4	-38.6	337.2	13.0	5.0	-12.0	331.9	999.9	99.9	99.9	999.9	4.1
31.6	83.7	8994.4	325.0	-31.7	-38.8	330.7	10.6	5.2	-9.3	332.9	999.9	99.9	99.9	999.9	4.3
33.3	88.0	9554.1	300.0	-36.7	-43.2	323.6	11.6	6.0	-9.9	337.6	999.9	99.9	99.9	999.9	4.5
35.2	93.0	10149.8	275.0	-41.7	59.4	326.9	10.3	5.6	-8.6	334.9	999.9	99.9	99.9	999.9	4.7
37.3	94.0	10789.6	250.0	-46.2	99.9	351.3	7.0	1.1	-6.9	337.4	999.9	99.9	99.9	999.9	4.9
39.5	103.5	11485.8	225.0	-49.1	99.9	361.1	13.4	1.4	-13.4	343.2	999.9	99.9	99.9	999.9	5.1
41.7	109.5	12251.2	200.0	-53.9	99.9	364	15.4	-1.0	-15.3	347.5	999.9	99.9	99.9	999.9	5.3
44.4	115.8	13103.0	175.0	-57.5	99.9	350.4	18.5	3.2	-19.2	355.0	999.9	99.9	99.9	999.9	5.5
47.5	123.3	14064.7	150.0	-62.5	99.9	350.8	22.6	3.6	-22.4	362.5	999.9	99.9	99.9	999.9	5.7
50.8	131.0	15189.1	125.0	-67.5	99.9	366	18.3	-1.0	-16.3	380.1	999.9	99.9	99.9	999.9	5.9
55.0	139.3	16556.3	100.0	-64.3	99.9	348.8	15.5	1.0	-15.2	403.6	999.9	99.9	99.9	999.9	6.1
58.0	148.0	18317.1	75.0	-64.4	99.9	25.4	2.8	-1.3	-2.5	439.0	999.9	99.9	99.9	999.9	6.3
67.3	158.0	20874.4	50.0	-58.0	99.9	155.4	4.1	-3.4	7.3	506.9	999.9	99.9	99.9	999.9	6.5
78.0	166.5	23338.0	25.0	-49.4	99.9	105.4	7.5	-7.2	2.0	642.8	999.9	99.9	99.9	999.9	6.7

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

11 June 1976

2100 GMT

PRECEDING PAGE BLANK NOT FILMED

STATION NO. 349
MONEY, MISSOURI11 JUNE 1976
2023 GMT

TIME MIN	ENTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCMP M/SEC	POT T DG K	E POT T DG K	MX WTO GM/KG	PH CT	RANGE KM	AZ DG
00	0.3	430.0	960.7	28.2	19.7	190.0	4.1	0.7	4.0	304.8	346.0	15.2	60.0	0.0	0.
00.9	99.9	1000.0	999.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.9	10.1	537.4	950.6	26.2	15.7	208.2	6.0	2.8	5.3	303.8	336.2	11.9	52.3	0.2	24.
1.4	12.2	771.7	925.0	23.7	14.7	202.4	6.5	2.5	6.0	303.6	334.7	11.5	57.1	0.6	25.
2.4	14.4	1010.8	900.0	21.7	12.9	180.9	7.0	1.1	7.0	303.9	325.0	11.4	62.5	1.0	21.
3.3	14.5	1254.6	875.0	19.1	12.9	190.9	6.9	1.3	6.8	303.7	333.1	10.8	67.3	1.3	17.
4.3	16.7	1503.4	850.0	17.1	10.9	194.2	6.8	1.9	6.5	304.0	323.8	9.7	67.2	1.7	17.
5.2	20.9	1758.2	825.0	17.9	-9.9	191.5	7.1	1.4	6.9	307.5	314.7	2.4	15.6	2.1	17.
6.1	23.3	2021.4	800.0	18.0	3.6	164.7	7.2	-1.9	6.9	310.4	329.3	6.2	36.3	2.5	13.
7.0	25.6	2293.0	775.0	17.0	4.3	171.6	5.4	-0.8	5.4	312.1	331.6	6.7	42.8	2.8	10.
8.0	28.0	2571.5	750.0	14.4	4.4	185.7	4.1	0.4	4.1	312.2	332.5	7.0	51.1	3.1	9.
9.0	30.6	2857.3	725.0	12.3	3.9	221.6	2.9	2.0	2.2	312.9	333.2	7.0	56.4	3.3	10.
10.0	33.2	3150.5	700.0	9.9	7.3	250.4	3.5	3.4	0.7	313.5	333.7	7.0	63.3	3.4	12.
11.0	35.8	3452.2	675.0	7.6	2.5	293.2	4.3	3.9	-1.7	314.2	334.0	6.8	70.0	3.4	16.
12.1	38.4	3762.1	650.0	4.9	0.2	315.5	7.2	3.9	-3.5	314.5	332.1	6.0	71.8	3.3	21.
13.1	41.0	4081.1	625.0	2.7	1.5	310.0	6.1	4.7	-3.9	315.6	331.9	5.5	73.6	3.2	27.
14.2	43.9	4419.1	600.0	0.0	-5.1	302.1	6.7	5.2	-4.2	316.2	329.4	4.4	68.6	3.2	34.
15.4	46.9	4750.4	575.0	-1.8	-5.6	321.7	6.1	3.7	-4.8	317.9	331.2	4.4	75.4	3.2	43.
16.6	49.9	5104.9	550.0	-3.1	-8.9	328.2	5.8	3.1	-5.0	320.4	331.5	3.6	64.2	3.0	51.
17.9	52.8	5471.3	525.0	-4.8	-24.1	310.9	7.6	5.8	-5.7	322.7	326.8	1.2	24.3	3.1	63.
19.1	55.8	5853.8	500.0	-7.0	-22.1	317.8	7.7	5.2	-5.7	324.5	328.9	1.3	28.6	3.3	70.
20.8	59.0	6251.8	475.0	-9.3	-28.2	315.6	9.1	5.7	-5.8	326.5	329.2	0.8	19.7	3.6	80.
22.0	62.4	6664.9	450.0	-13.2	-30.4	304.9	9.8	7.2	-5.0	326.7	329.1	0.7	21.8	4.1	98.
23.5	65.8	7100.9	425.0	-15.1	-31.3	281.7	14.1	13.8	-2.9	329.7	332.0	0.7	23.4	5.0	92.
24.9	69.3	7556.4	400.0	-17.8	-35.5	278.8	13.3	14.1	-2.2	331.8	333.5	0.5	19.5	6.3	93.
26.5	72.9	8036.1	375.0	-20.9	-39.1	283.7	13.2	12.8	-3.1	334.0	335.3	0.3	17.5	7.5	95.
28.0	76.8	8541.8	350.0	-25.2	-42.0	291.8	14.0	13.8	-5.5	334.8	335.8	0.3	18.9	8.8	96.
29.8	80.8	9074.9	325.0	-30.0	-47.1	254.3	17.8	16.2	-7.3	335.4	336.0	0.2	16.8	10.5	100.
31.8	85.1	9639.0	300.0	-35.0	-50.5	292.4	19.9	18.3	-7.7	336.1	336.6	0.1	18.6	12.5	102.
33.7	89.5	10240.4	275.0	-39.4	-55.9	293.2	27.3	24.9	-11.2	338.1	339.9	99.9	999.9	13.2	104.
35.7	94.4	10886.6	250.0	-44.0	-59.9	288.9	29.8	28.2	-9.7	340.6	339.9	99.9	999.9	18.8	105.
38.3	99.4	11565.9	225.0	-48.3	-59.9	290.5	30.0	28.3	-10.0	344.4	339.9	99.9	999.9	22.9	106.
40.9	104.0	12354.1	200.0	-52.9	-59.9	290.8	28.5	24.7	-14.2	349.0	339.9	99.9	999.9	27.1	108.
43.3	110.8	13204.3	175.0	-58.3	-59.9	294.3	32.6	29.7	-13.4	353.7	339.9	99.9	999.9	32.2	108.
46.3	117.1	14160.1	150.0	-64.2	-59.9	288.0	29.9	29.0	-7.2	359.6	339.9	99.9	999.9	37.9	109.
50.1	124.7	15269.4	125.0	-68.0	-59.9	250.6	19.2	17.1	-8.6	375.4	339.9	99.9	999.9	43.7	109.
54.4	132.7	16608.1	100.0	-68.4	-59.9	272.6	8.8	8.7	-0.4	395.5	339.9	99.9	999.9	48.7	110.
59.7	141.0	18345.2	75.0	-64.1	-59.9	240.4	3.8	3.5	1.5	438.6	339.9	99.9	999.9	48.6	108.
67.3	150.0	20860.0	50.0	-50.3	-59.9	87.3	4.3	-4.3	-0.2	510.6	339.9	99.9	999.9	48.6	108.
70.2	159.0	23357.4	25.0	-50.0	-59.9	113.8	3.3	-3.0	1.3	641.0	339.9	99.9	999.9	44.1	110.

00 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 00 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

11 JUNE 1976
2000 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	QIR DG	SPEED M/SEC	U COMP M/SFC	V CCMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.8	298.0	976.1	31.0	15.4	280.0	5.7	5.6	-1.0	306.3	337.6	11.4	39.0	0.0	0.
0.9	9.9	90.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	7.9	308.1	975.0	30.5	15.0	281.4	6.4	6.2	-1.3	305.8	336.4	11.1	39.3	0.1	47.
0.9	9.9	534.4	958.0	27.8	14.1	277.0	6.6	6.6	-0.8	305.4	334.9	10.9	43.2	0.4	94.
1.7	11.7	774.9	925.0	25.1	12.8	256.3	6.3	6.2	1.3	305.0	332.8	10.1	46.5	0.7	91.
2.7	13.0	1014.5	900.0	22.5	11.2	254.4	7.2	6.9	1.9	304.7	330.5	9.3	48.4	1.1	85.
3.8	15.7	1259.2	875.0	20.6	11.3	256.2	7.2	7.0	1.7	305.2	332.0	9.7	55.1	1.6	81.
4.8	17.8	1508.8	850.0	18.0	10.1	267.6	6.8	6.8	0.3	305.0	330.4	9.2	59.7	2.0	81.
5.7	20.0	1763.6	825.0	15.4	9.2	273.0	7.3	7.3	-0.4	304.9	329.5	8.9	66.1	2.4	83.
6.7	22.0	2024.3	800.0	13.3	8.5	276.5	7.0	6.9	-0.8	305.3	329.7	8.8	73.0	2.8	85.
7.7	24.3	2291.3	775.0	10.9	8.3	285.0	7.1	6.7	-2.3	305.5	330.3	8.9	84.1	3.2	87.
8.6	26.4	2564.5	750.0	9.0	5.9	310.6	9.0	6.1	-5.2	306.4	328.5	7.9	91.9	3.6	91.
9.7	28.7	2845.5	725.0	8.4	-0.5	323.1	9.7	5.2	-6.9	308.7	323.5	5.1	93.8	3.9	97.
10.9	31.2	3134.6	700.0	7.2	-13.3	337.5	7.2	3.2	-6.5	310.5	316.6	2.0	21.7	4.3	103.
12.0	33.7	3432.9	675.0	4.9	-9.1	347.2	9.4	2.2	-7.8	311.2	319.8	2.8	35.3	4.6	108.
13.0	36.0	3734.2	650.0	2.4	-10.8	350.4	10.6	1.8	-9.5	311.6	319.5	2.6	36.8	4.0	113.
14.0	38.6	4054.9	625.0	-0.3	-10.8	350.4	10.6	1.8	-10.5	312.1	320.3	2.7	45.0	5.3	118.
15.2	41.0	4379.8	600.0	-2.9	-15.8	347.4	10.0	2.2	-9.8	312.7	318.5	1.9	36.2	5.8	125.
16.3	43.7	4715.8	575.0	-5.4	-17.5	341.5	9.3	3.0	-8.9	314.4	319.7	1.7	36.1	6.3	128.
17.5	46.4	5064.3	550.0	-7.1	-23.0	339.4	10.0	3.5	-9.4	315.7	319.3	1.1	26.6	6.8	131.
18.7	49.4	5426.3	525.0	-9.9	-30.8	338.9	11.3	4.1	-10.6	318.9	323.8	0.6	13.9	7.6	136.
19.9	52.1	5804.8	500.0	-12.4	-32.9	332.8	10.0	4.6	-8.9	322.1	323.8	0.5	12.2	8.3	136.
21.2	55.2	6200.3	475.0	-11.4	-34.8	325.5	9.4	5.3	-7.7	323.8	325.3	0.4	12.4	9.0	137.
22.5	58.3	6611.6	450.0	-15.4	-36.9	336.4	11.6	4.7	-10.9	324.0	325.5	0.4	17.0	9.8	138.
24.0	61.5	7041.0	425.0	-17.9	-38.5	340.7	13.7	4.5	-12.9	324.0	327.0	0.3	12.9	10.9	141.
25.7	65.0	7490.8	400.0	-21.4	-41.3	337.6	13.2	5.4	-13.1	327.2	328.1	0.2	14.6	12.2	142.
27.4	68.3	7963.7	375.0	-25.2	-44.3	331.2	13.3	6.4	-11.7	328.3	329.0	0.2	14.8	13.7	144.
29.1	71.7	8461.1	350.0	-28.2	-43.0	340.7	13.9	4.6	-13.1	330.7	331.6	0.2	22.6	15.0	145.
30.9	75.7	8968.8	325.0	-32.5	-45.9	345.2	15.1	3.9	-14.6	331.9	332.6	0.2	24.8	16.5	147.
32.6	79.7	9547.9	300.0	-36.9	-49.5	346.3	14.1	2.9	-13.4	333.4	333.9	0.1	25.4	17.9	148.
34.3	83.8	10143.7	275.0	-42.0	-50.9	341.2	13.1	4.2	-12.4	334.4	334.9	0.9	99.9	19.4	150.
36.6	88.2	10781.8	250.0	-47.2	-51.7	307.7	11.9	9.4	-7.2	336.0	339.9	99.9	99.9	20.7	150.
38.9	93.2	11470.2	225.0	-51.7	-56.7	311.3	12.7	9.6	-7.2	339.3	339.9	99.9	99.9	21.9	149.
41.5	98.3	12226.3	200.0	-56.7	-58.9	323.0	15.1	9.1	-6.4	343.0	343.9	99.9	99.9	23.0	147.
44.1	104.0	13062.1	175.0	-61.2	-61.2	310.4	13.9	10.6	-12.0	348.9	348.9	99.9	99.9	24.6	146.
47.1	110.3	14022.9	150.0	-60.8	-60.8	308.6	13.8	10.7	-9.0	355.3	355.8	99.9	99.9	31.2	144.
50.5	117.0	15156.4	125.0	-60.3	-60.3	306.9	9.3	7.4	-8.6	437.2	437.2	99.9	99.9	33.5	143.
54.5	125.3	16547.7	100.0	-62.4	-62.4	276.7	1.2	1.2	-5.6	509.4	509.9	99.9	99.9	35.2	142.
58.6	134.3	18326.7	75.0	-61.8	-61.8	99.9	1.8	-1.8	-0.1	509.4	509.9	99.9	99.9	35.4	143.
64.2	147.0	20653.6	50.0	-56.9	-56.9	99.9	6.0	-6.0	0.5	641.4	641.4	99.9	99.9	34.7	147.
70.3	152.3	23351.3	25.0	-50.0	-50.0	99.9	6.0	-6.0	0.5	641.4	641.4	99.9	99.9	34.7	147.

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS11 JUNE 1976
2000 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
00	60	175.0	990.2	31.2	17.1	220.0	6.7	4.3	5.1	305.2	339.4	12.5	43.0	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.8	80	313.2	975.0	28.7	14.3	195.5	6.8	1.8	6.5	304.0	332.9	10.6	41.4	0.2	4.
1.0	10.3	543.6	950.0	26.8	14.7	195.2	7.1	2.0	6.8	304.4	335.0	11.2	47.7	0.4	10.
2.0	12.5	778.6	925.0	24.0	14.0	205.2	6.0	2.5	5.4	304.8	334.8	11.0	50.8	0.6	14.
3.4	14.9	1018.3	900.0	22.1	13.1	217.7	6.1	3.8	4.9	304.7	333.4	10.6	56.8	1.2	23.
4.9	17.1	1262.5	875.0	19.5	12.0	225.5	6.0	4.6	3.9	304.0	331.8	10.1	61.9	1.7	29.
8.9	19.6	1511.5	850.0	17.1	11.2	225.1	5.3	4.8	2.3	304.1	331.2	9.9	67.8	2.0	33.
7.0	21.9	1765.8	825.0	15.1	8.7	273.8	2.8	2.7	-0.2	304.5	328.4	8.6	85.7	2.2	38.
7.9	24.4	2028.4	800.0	13.4	5.5	157.1	0.4	-0.2	0.4	306.1	326.1	7.1	56.4	2.3	39.
8.7	26.8	2294.2	775.0	12.4	3.7	153.9	0.5	-0.2	0.4	308.3	323.8	6.5	51.7	2.3	38.
9.8	29.6	2569.8	750.0	11.8	1.9	67.4	0.5	-0.5	-0.2	309.4	326.4	5.9	50.6	2.3	36.
10.7	32.2	2852.8	725.0	10.0	0.4	51.9	1.3	-1.0	-0.9	310.4	326.3	5.5	51.4	2.2	37.
11.7	35.0	3143.4	700.0	7.6	-1.9	2.4	2.8	-0.1	-2.8	310.9	324.9	4.7	50.7	2.1	37.
12.9	37.6	3442.3	675.0	5.5	-10.7	3.8	5.0	-0.3	-5.0	311.9	319.9	2.6	31.3	1.9	43.
13.0	40.3	3749.7	650.0	3.8	-19.2	5.3	6.7	-0.6	-6.6	313.2	317.4	1.3	16.8	1.6	50.
15.1	43.0	4066.3	625.0	1.5	-36.8	347.5	6.0	1.3	-5.9	314.1	315.0	0.3	3.8	1.3	68.
16.3	46.0	4394.0	600.0	-0.2	-37.4	337.4	4.1	1.6	-3.7	315.9	315.8	0.2	4.0	1.4	42.
17.5	49.1	4733.5	575.0	-1.8	-50.8	330.9	3.1	1.5	-2.7	317.9	319.1	0.1	1.0	1.5	2.
18.8	52.0	5085.7	550.0	-3.9	-52.4	319.9	1.6	1.0	-1.2	319.4	319.8	0.1	1.0	1.6	98.
20.1	55.2	5451.2	525.0	-6.1	-53.8	283.4	0.9	0.9	-0.2	321.0	321.2	0.0	1.0	1.7	98.
21.5	58.4	5830.9	500.0	-8.6	-55.4	126.7	0.3	-0.3	0.2	322.6	322.7	0.0	1.0	1.7	99.
23.0	61.9	6226.3	475.0	-11.4	-55.7	131.2	1.2	-0.9	0.8	325.8	325.0	0.0	1.2	1.7	96.
24.3	65.3	6638.3	450.0	-14.5	-50.9	66.9	2.3	-1.7	-1.6	325.0	325.3	0.1	2.8	1.6	96.
25.9	68.7	7069.3	425.0	-16.5	-58.0	327.3	5.6	3.0	-4.7	327.9	327.9	0.0	1.4	1.6	107.
27.8	72.3	7525.1	400.0	-18.2	-52.8	326.5	4.0	4.4	-6.6	330.1	330.4	0.1	3.3	2.2	120.
29.0	76.3	7999.3	375.0	-23.3	-51.6	303.3	8.4	7.1	-4.6	330.8	331.1	0.1	5.4	2.9	124.
30.6	80.3	8500.5	350.0	-27.1	-57.2	287.8	9.5	9.1	-2.9	332.3	332.5	0.0	3.8	3.8	122.
32.4	84.4	9029.7	325.0	-31.5	-57.5	277.5	9.8	9.8	-1.3	333.2	333.4	0.0	5.4	4.7	118.
34.0	88.6	9591.1	300.0	-36.1	-57.8	279.8	12.5	12.4	-2.1	334.4	334.6	0.0	8.7	5.7	113.
36.1	93.4	10169.3	275.0	-40.7	99.9	307.2	19.9	15.9	-12.1	336.3	336.3	99.9	99.9	7.7	114.
38.1	98.0	10831.6	250.0	-46.1	99.9	312.1	22.4	16.6	-15.0	337.6	337.6	99.9	99.9	10.5	118.
40.5	103.3	11524.7	225.0	-50.9	99.9	312.0	24.0	17.8	-16.1	340.6	340.6	99.9	99.9	13.5	122.
43.2	109.0	12288.2	200.0	-52.4	99.9	307.1	21.9	17.5	-13.2	349.8	349.8	99.9	99.9	17.1	123.
46.2	115.8	13141.3	175.0	-57.1	99.9	310.6	30.5	20.2	-22.9	355.7	355.7	99.9	99.9	21.9	125.
48.1	121.5	14109.2	150.0	-62.2	99.9	312.2	18.6	16.1	-15.6	362.9	362.9	99.9	99.9	26.2	129.
52.2	129.0	15224.4	125.0	-64.4	99.9	312.4	14.4	13.8	-12.5	378.4	378.4	99.9	99.9	31.2	129.
57.9	136.8	16582.6	100.0	-64.8	99.9	282.0	8.3	8.3	-1.2	402.6	402.6	99.9	99.9	34.1	129.
63.9	144.7	18380.4	75.0	-62.4	99.9	270.1	1.1	1.1	-0.0	442.2	442.2	99.9	99.9	38.5	127.
72.8	153.7	20884.6	50.0	-56.0	99.9	63.7	3.0	-2.7	-1.3	511.6	511.6	99.9	99.9	38.0	128.
88.1	182.7	25403.3	25.0	-46.6	99.9	103.6	4.9	-4.8	1.2	651.1	651.1	99.9	99.9	32.8	133.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS
11 JUNE 1976
2016 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCNP M/SEC	POT T DG K	FOOT T DG K	MX RTD GN/KG	RM PCT	RANGE NM	AZ DG
0.0	14.0	791.0	913.6	35.6	14.9	170.0	10.3	-1.8	10.1	316.8	350.5	11.7	25.0	0.0	0
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	15.3	926.4	900.0	31.2	10.5	181.6	15.4	0.4	15.4	313.7	337.3	8.9	27.9	0.5	35.9
1.3	17.5	1178.0	875.0	29.3	10.2	175.5	14.9	-0.9	14.9	314.3	340.1	9.0	30.5	1.2	35.9
2.3	20.0	1435.1	850.0	26.8	10.2	177.1	15.9	-0.8	15.9	314.2	340.8	9.3	35.4	2.1	35.7
3.3	22.3	1697.5	825.0	24.1	9.5	181.9	16.5	0.6	16.5	314.0	340.2	9.1	39.7	3.0	35.8
4.3	24.9	1965.6	800.0	21.6	9.2	183.6	18.1	0.8	18.1	314.2	340.7	9.2	45.1	4.0	35.9
5.0	27.2	2240.0	775.0	18.9	8.2	185.4	18.5	1.5	18.5	314.1	339.7	8.9	50.0	4.8	36.0
6.1	29.9	2520.5	750.0	15.9	7.3	185.0	17.7	1.5	17.6	313.8	338.6	8.6	56.5	5.9	1
7.1	32.6	2806.0	725.0	14.2	1.6	184.5	15.0	2.5	14.8	315.0	332.4	8.0	42.5	6.8	2
8.0	35.2	3102.9	700.0	11.5	0.7	200.7	15.0	5.3	14.1	315.3	332.3	5.8	47.1	7.6	3
8.9	37.4	3405.8	675.0	9.9	-13.7	208.1	14.3	6.7	12.6	316.7	323.0	2.9	17.4	8.3	5
9.0	40.5	3717.9	650.0	7.5	-15.6	216.7	14.4	8.6	11.5	317.5	323.1	1.7	17.5	9.2	6
11.0	43.3	4038.6	625.0	4.2	-15.3	224.0	14.5	10.1	10.4	317.3	323.2	1.9	22.6	10.0	11
12.2	46.3	4368.9	600.0	1.3	-17.5	222.1	16.3	10.9	12.1	317.6	322.8	1.6	23.1	10.9	14
13.6	49.4	4709.3	575.0	-2.0	-19.8	222.6	15.0	10.2	11.0	317.6	322.1	1.4	24.1	12.1	17
14.9	52.3	5060.8	550.0	-4.9	-19.4	224.4	15.1	10.6	10.8	318.3	323.1	1.5	31.1	13.1	19
16.0	55.3	5424.5	525.0	-8.3	-18.6	228.9	16.3	12.3	10.7	318.5	323.9	1.7	42.9	14.0	21
17.1	58.5	5800.9	500.0	-11.8	-20.3	231.2	17.5	13.6	11.0	319.7	323.6	1.5	49.1	15.1	23
18.3	61.9	6191.8	475.0	-13.9	-20.2	232.5	13.5	14.7	11.3	320.8	323.0	0.6	27.5	16.1	25
19.5	65.3	6600.8	450.0	-16.5	-21.9	235.1	19.7	15.1	12.6	322.6	324.2	0.5	20.3	17.4	27
20.4	68.8	7029.2	425.0	-17.9	-23.0	220.2	20.0	12.9	15.3	325.0	326.7	0.2	8.9	18.7	29
22.0	72.3	7481.0	400.0	-20.1	-25.0	210.6	20.4	12.2	16.4	323.9	329.2	0.1	3.4	20.3	29
23.3	76.2	7956.0	375.0	-23.2	-27.5	225.0	24.2	17.1	17.1	330.9	331.0	0.0	2.6	22.0	30
24.9	80.1	8457.5	350.0	-27.0	-30.3	225.4	26.3	19.1	18.1	332.4	332.6	0.1	1.3	24.4	32
26.5	84.2	8987.2	325.0	-30.3	-37.3	229.7	32.7	24.7	21.4	334.1	334.3	0.0	5.4	27.0	33
28.1	88.4	9549.4	300.0	-36.0	-39.9	232.8	33.0	26.3	20.0	334.6	334.9	0.1	12.2	30.2	35
29.9	93.0	10146.9	275.0	-40.7	-40.9	236.4	36.0	30.0	19.9	336.3	339.9	99.9	99.9	34.0	37
31.8	97.8	10789.9	250.0	-44.7	-44.7	235.3	45.2	37.2	25.7	339.6	339.9	99.9	99.9	37.9	40
33.9	102.8	11486.6	225.0	-48.5	-48.5	238.9	42.5	36.4	21.9	344.2	339.9	99.9	99.9	43.7	42
36.8	108.5	12256.7	200.0	-51.7	-49.9	243.6	38.7	35.2	16.0	350.9	339.9	99.9	99.9	49.9	45
39.2	114.5	13113.5	175.0	-54.8	-49.9	243.8	40.3	36.1	17.8	356.1	339.9	99.9	99.9	55.3	47
42.2	121.0	14074.9	150.0	-62.6	-49.9	250.0	33.2	31.2	11.4	362.2	339.9	99.9	99.9	61.1	49
46.2	128.3	15189.4	125.0	-65.4	-49.9	234.2	25.7	20.8	15.0	376.6	339.9	99.9	99.9	68.2	50
50.4	136.3	16535.7	100.0	-68.3	-49.9	233.1	18.9	16.2	4.9	376.6	339.9	99.9	99.9	73.4	51
56.4	144.7	18274.4	75.0	-62.8	-49.9	200.7	3.4	3.3	0.5	441.3	339.9	99.9	99.9	77.6	51
64.8	154.0	20801.0	50.0	-56.7	-49.9	194.1	6.2	1.5	6.1	509.8	339.9	99.9	99.9	79.1	50
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

11 JUNE 1976
2000 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DEG C	DFW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT Y DEG K	MX RTO GM/KG	RH PCT	RANGP KM	AZ DEG
0.0	7.6	262.0	974.8	33.5	20.4	170.0	7.7	-1.3	7.6	308.7	331.9	15.8	47.0	0.0	0.0
99.9	99.0	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.9	8.8	498.4	950.0	33.3	99.9	99.9	99.9	99.9	99.9	307.9	99.9	79.9	99.9	999.9	999.9
1.7	11.7	734.8	925.0	27.7	99.9	99.9	99.9	99.9	99.9	307.6	99.9	99.9	99.9	999.9	999.9
2.7	13.9	976.4	900.0	22.1	15.3	99.9	99.9	99.9	99.9	307.4	341.2	12.3	54.7	999.9	999.9
3.7	16.0	1223.4	875.0	22.7	14.5	99.9	99.9	99.9	99.9	347.4	347.5	12.0	59.7	999.9	999.9
4.7	18.3	1475.8	850.0	21.8	8.9	190.2	15.5	2.7	15.2	310.3	332.9	5	43.6	3.1	7.0
5.7	20.5	1734.6	825.0	20.5	8.1	187.0	12.9	1.6	12.8	310.0	333.7	5	44.7	3.8	7.0
6.3	22.8	1999.6	800.0	18.6	7.1	189.2	11.3	1.6	11.2	311.0	333.7	8.0	47.1	4.4	7.0
7.1	25.2	2271.1	775.0	16.4	6.4	194.5	10.9	2.7	10.5	311.5	333.9	7.8	51.4	4.9	8.0
7.9	27.5	2549.5	750.0	14.5	4.5	204.9	10.9	4.6	9.9	312.4	332.9	7.1	50.9	5.4	8.0
8.7	30.0	2835.5	725.0	12.7	5.9	215.9	12.0	7.0	9.7	313.4	332.8	6.1	63.3	5.9	10.0
9.7	32.0	3129.5	700.0	10.2	4.1	226.1	12.3	3	8.1	313.8	333.2	7.4	65.6	6.5	10.0
11.0	35.2	3431.5	675.0	8.7	-1.4	241.1	12.2	12.4	6.9	315.4	332.6	5.2	49.2	7.3	10.0
12.5	37.8	3743.9	650.0	6.8	-3.2	247.2	15.8	14.5	6.1	316.6	329.7	4.3	45.3	8.3	20.0
13.5	40.5	4064.1	625.0	4.3	-6.7	247.3	15.0	13.4	5.8	317.4	328.8	3.7	44.6	9.1	30.0
14.6	43.2	4394.9	600.0	1.7	-17.0	247.7	11.0	11.0	4.5	319.1	323.7	1.8	24.7	9.9	30.0
15.6	46.1	4736.9	575.0	0.4	-29.7	259.7	8.0	7.9	1.6	320.4	322.4	0.6	8.4	10.3	35.0
16.8	49.2	5091.9	550.0	-1.4	-35.4	273.5	7.1	7.1	-0.5	322.4	323.6	0.3	5.4	10.6	37.0
18.1	52.0	5406.0	525.0	-3.4	-35.4	284.5	7.6	7.4	-1.9	323.2	324.4	0.4	6.7	10.8	40.0
19.3	55.1	5842.0	500.0	-7.6	-38.2	291.4	6.9	6.4	-2.5	323.8	324.6	0.3	6.9	11.1	43.0
20.7	58.3	6238.7	475.0	-11.0	-38.7	292.0	8.3	7.7	-3.1	324.3	325.6	0.3	9.9	11.2	46.0
22.2	61.7	6651.1	450.0	-14.6	-38.6	276.8	12.4	12.4	-1.5	324.9	327.2	0.7	24.2	11.8	49.0
23.9	65.1	7081.8	425.0	-18.7	-31.0	254.1	14.6	14.3	2.8	327.5	329.9	0.7	27.8	12.9	53.0
25.6	68.4	7534.2	400.0	-19.8	-61.2	253.4	12.8	12.3	3.7	329.2	329.3	0.0	1.2	14.2	58.0
27.2	72.1	8010.7	375.0	-22.4	-61.2	243.6	13.3	13.9	6.3	332.0	332.1	0.0	1.5	15.5	57.0
28.8	76.0	8513.6	350.0	-26.7	-59.2	243.9	13.3	13.0	9.9	332.8	333.0	0.0	3.2	16.9	57.0
30.7	80.1	9044.9	325.0	-30.5	-59.0	244.1	17.2	17.1	1.6	334.6	334.8	0.0	4.7	14.5	59.0
31.6	84.2	9608.5	300.0	-35.1	-59.7	278.1	22.8	22.8	-1.6	335.9	336.1	0.0	6.1	20.3	62.0
34.6	88.6	10209.0	275.0	-40.5	-59.9	275.3	29.6	29.6	-2.7	339.6	999.9	99.9	99.9	23.3	66.0
36.9	91.4	10851.6	250.0	-45.1	-59.9	271.2	36.4	36.4	-0.8	339.0	999.9	99.9	99.9	27.4	71.0
39.4	96.0	11547.1	225.0	-50.0	-59.9	267.8	40.6	40.6	1.6	342.0	999.9	99.9	99.9	33.0	74.0
42.4	103.8	12311.9	200.0	-54.2	-59.9	267.4	39.6	39.4	-2.4	346.9	999.9	99.9	99.9	39.8	77.0
45.3	109.8	13158.3	175.0	-58.8	-59.9	267.6	33.0	33.0	1.4	352.9	999.9	99.9	99.9	44.5	79.0
49.9	114.0	14115.9	150.0	-62.1	-59.9	269.9	32.7	32.7	0.1	353.1	999.9	99.9	99.9	51.8	80.0
52.5	123.3	15236.8	125.0	-61.9	-59.9	274.5	14.9	14.8	-1.2	352.9	999.9	99.9	99.9	57.9	81.0
57.1	131.3	16586.2	100.0	-67.8	-59.9	241.4	11.9	10.4	5.7	356.7	999.9	99.9	99.9	59.7	81.0
63.0	139.7	18337.2	75.0	-72.6	-59.9	294.4	3.2	2.0	-0.9	439.7	999.9	99.9	99.9	62.6	80.0
71.1	148.0	20863.0	50.0	-56.7	-59.9	92.3	4.4	-6.4	0.2	509.9	999.9	99.9	99.9	62.1	80.0
83.7	156.7	23369.7	25.0	-48.6	-59.9	118.3	4.4	-3.9	2.1	633.3	999.9	99.9	99.9	58.2	79.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
 DENVER, COLORADO

 11 JUNE 1976
 2000 GMT

TIME MIN	CNTCY	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	QPF DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE KM	AL DG
0.0	21.7	1611.0	825.8	28.6	-9.8	210.3	12.9	6.4	11.2	319.8	326.8	2.2	7.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.0	21.8	1619.6	825.0	29.0	-7.5	207.7	12.7	5.9	11.2	319.3	327.8	2.7	9.1	0.1	8.
0.9	24.3	1690.2	800.0	24.8	-5.4	203.1	12.5	4.9	11.5	317.6	327.6	3.2	13.1	0.4	25.
1.6	24.8	2166.7	775.0	22.3	-6.6	211.1	13.1	4.8	11.2	317.8	327.1	3.0	13.9	1.3	25.
2.1	29.2	2442.6	750.0	19.6	-8.5	221.1	12.6	6.3	9.5	317.9	326.3	2.7	14.0	1.7	28.
2.7	31.9	2739.3	725.0	17.0	-10.0	229.2	12.8	9.7	8.3	318.1	325.9	2.5	14.7	2.1	31.
3.2	34.7	3036.5	700.0	13.9	-11.9	228.9	12.3	10.8	9.4	317.9	324.9	2.2	15.6	2.5	25.
3.9	37.2	3340.8	675.0	10.5	-13.9	226.0	12.1	10.2	9.8	317.4	323.5	1.9	16.5	3.1	37.
4.7	39.9	3653.0	650.0	7.5	-15.5	217.7	12.9	8.5	11.0	317.4	323.1	1.8	17.4	3.7	38.
5.5	42.6	3973.7	625.0	3.9	-17.2	212.5	12.9	7.0	10.9	316.9	322.0	1.6	19.6	4.4	37.
6.6	45.5	4303.2	600.0	0.7	-18.4	205.1	12.5	6.1	10.9	316.9	321.7	1.5	22.3	5.2	36.
7.7	48.6	4643.0	575.0	-2.4	-20.2	207.6	12.3	5.7	10.9	317.2	321.5	1.3	24.0	6.1	35.
8.8	51.5	4993.6	550.0	-5.6	-21.5	205.0	12.7	5.8	12.4	317.4	321.2	1.2	27.3	6.9	36.
10.2	54.7	5356.1	525.0	-8.1	-24.5	205.7	12.8	9.8	17.2	318.7	322.0	1.0	25.2	8.2	32.
12.1	57.8	5733.2	500.0	-10.7	-26.8	211.4	12.6	14.4	23.5	320.0	322.2	0.6	19.0	10.9	33.
14.0	61.1	6125.9	475.0	-13.5	-31.5	203.6	12.8	11.6	26.4	321.3	323.3	0.6	20.0	14.1	31.
15.2	64.6	6535.2	450.0	-16.3	-33.4	201.5	13.3	11.5	29.1	322.8	324.6	0.5	20.9	16.3	30.
16.4	67.9	6962.5	425.0	-19.9	-36.6	199.5	12.0	10.7	30.1	323.5	324.8	0.4	20.8	18.5	29.
17.5	71.3	7408.9	400.0	-23.6	-39.8	197.7	13.7	10.3	32.1	324.3	325.4	0.3	20.7	20.8	28.
18.7	75.2	7876.3	375.0	-28.1	-42.5	196.7	13.5	9.6	32.1	324.4	325.3	0.2	23.6	23.2	27.
20.3	79.3	8366.5	350.0	-32.0	-46.0	196.1	13.6	11.1	34.1	324.2	324.9	0.2	25.5	26.4	26.
22.3	83.2	8834.8	325.0	-36.8	-49.9	203.3	13.3	14.0	32.4	326.0	326.4	0.1	24.0	30.5	25.
24.4	87.3	9433.6	300.0	-40.4	99.9	204.5	11.6	18.6	37.2	328.5	999.9	99.9	999.9	35.5	25.
26.2	91.8	10027.1	275.0	-43.7	99.9	211.4	11.4	23.1	37.8	331.9	999.9	99.9	999.9	40.2	25.
29.3	96.4	10657.7	250.0	-47.5	99.9	218.9	11.9	24.9	35.6	335.4	999.9	99.9	999.9	45.2	25.
30.7	101.2	11348.0	225.0	-51.3	99.9	215.6	12.6	24.6	34.3	339.9	999.9	99.9	999.9	51.4	27.
33.5	106.6	12116.2	200.0	-50.7	99.9	221.2	12.3	29.9	34.1	352.5	999.9	99.9	999.9	58.9	29.
36.1	112.3	12981.7	175.0	-53.0	99.9	223.3	11.9	28.7	30.5	362.5	999.9	99.9	999.9	65.8	30.
39.1	118.0	13967.5	150.0	-57.1	99.9	210.6	13.3	19.0	32.1	371.4	999.9	99.9	999.9	72.1	31.
43.2	125.0	15123.9	125.0	-54.5	99.9	225.3	12.9	17.3	32.0	366.3	999.9	99.9	999.9	80.0	32.
48.2	132.3	16523.1	100.0	-63.3	99.9	207.7	13.3	6.2	11.8	405.5	999.9	99.9	999.9	85.0	32.
53.7	140.0	18306.4	75.0	-61.1	99.9	202.8	9.4	3.7	8.9	444.8	999.9	99.9	999.9	87.0	32.
61.2	148.3	20861.6	50.0	-54.6	99.9	152.3	4.3	-2.0	3.8	514.6	999.9	99.9	999.9	88.5	31.
73.5	156.7	23367.8	25.0	-49.3	99.9	92.9	7.3	-7.3	0.4	643.4	999.9	99.9	999.9	85.8	29.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME MAY HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 476
GRAND JUNCTION, COLORADO11 JUNE 1976
2013 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	18.9	1472.0	845.2	21.1	-6.5	290.0	8.8	8.3	-3.0	308.8	317.1	2.8	15.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	20.6	1679.3	825.0	17.2	-8.8	99.9	99.9	99.9	99.9	306.8	316.5	3.1	21.6	99.9	99.9
1.6	22.8	1940.2	800.0	14.7	-8.4	99.9	99.9	99.9	99.9	306.9	315.7	3.0	22.6	99.9	99.9
2.7	25.2	2207.3	775.0	12.4	-8.9	99.9	99.9	99.9	99.9	307.2	315.9	2.9	23.2	99.9	99.9
3.4	27.4	2481.0	750.0	10.1	-7.5	99.9	99.9	99.9	99.9	307.5	316.1	2.9	23.1	99.9	99.9
4.1	29.8	2761.1	725.0	7.3	-9.9	99.9	99.9	99.9	99.9	307.4	316.9	2.9	23.0	99.9	99.9
4.9	32.3	3048.0	700.0	4.6	-9.9	99.9	99.9	99.9	99.9	307.6	317.0	2.9	23.0	99.9	99.9
5.7	34.9	3322.3	675.0	1.8	-9.9	99.9	99.9	99.9	99.9	307.7	317.1	2.9	23.0	99.9	99.9
6.6	37.2	3645.0	650.0	-1.3	-11.0	99.9	99.9	99.9	99.9	307.5	315.1	2.5	23.0	99.9	99.9
7.9	40.0	3956.0	625.0	-4.8	-12.4	99.9	99.9	99.9	99.9	307.3	314.4	2.4	23.0	99.9	99.9
8.9	42.4	4276.3	600.0	-7.0	-12.7	99.9	99.9	99.9	99.9	308.2	315.3	2.4	23.0	99.9	99.9
9.8	45.2	4606.8	575.0	-10.0	-13.5	216.4	12.2	7.2	9.8	308.3	315.9	2.5	23.0	99.9	99.9
10.6	48.1	4948.1	550.0	-12.6	-13.1	211.2	14.3	7.4	12.3	309.2	316.9	2.5	23.0	99.9	99.9
11.5	50.8	5302.6	525.0	-14.6	-15.1	211.1	16.8	8.7	14.4	310.9	317.8	2.3	23.0	99.9	99.9
12.4	53.8	5670.9	500.0	-16.7	-17.2	208.0	18.5	8.7	16.3	312.7	318.9	2.0	23.0	99.9	99.9
13.1	56.6	6055.1	475.0	-19.0	-19.6	205.8	18.7	7.5	17.1	314.5	319.9	1.7	23.0	99.9	99.9
14.3	59.8	6456.0	450.0	-22.6	-20.1	210.4	21.3	10.8	18.4	314.8	318.2	1.0	23.0	99.9	99.9
15.9	63.0	6870.0	425.0	-27.8	-20.2	218.4	27.2	16.9	21.3	313.4	314.5	0.3	23.0	99.9	99.9
18.0	68.3	7302.6	400.0	-31.3	-22.8	220.4	29.5	19.1	22.4	314.3	315.0	0.2	23.0	99.9	99.9
20.0	73.9	7755.7	375.0	-35.3	-24.5	216.6	28.4	16.9	22.8	314.7	315.2	0.2	23.0	99.9	99.9
21.5	77.3	8232.8	350.0	-39.0	-26.9	219.2	32.8	20.7	25.5	316.2	316.6	0.1	23.0	99.9	99.9
23.1	80.9	8737.0	325.0	-42.1	-28.9	225.9	37.3	26.8	28.9	318.6	318.6	99.9	99.9	99.9	99.9
25.1	85.1	9278.7	300.0	-45.7	-30.9	228.9	43.9	31.4	32.1	325.3	325.3	99.9	99.9	99.9	99.9
27.2	89.3	9867.6	275.0	-49.7	-32.9	222.9	45.9	31.2	33.4	336.9	336.9	99.9	99.9	99.9	99.9
28.9	93.2	10511.3	250.0	-53.2	-34.9	224.3	43.4	29.2	32.1	351.9	351.9	99.9	99.9	99.9	99.9
31.8	98.2	11224.1	225.0	-57.7	-36.9	222.6	44.2	25.9	32.5	364.6	364.6	99.9	99.9	99.9	99.9
34.9	99.2	12021.5	200.0	-63.1	-38.9	218.5	37.5	21.8	30.5	374.5	374.5	99.9	99.9	99.9	99.9
36.7	106.6	12915.6	175.0	-68.7	-40.9	224.4	33.7	24.5	23.1	384.7	384.7	99.9	99.9	99.9	99.9
40.0	110.6	13933.8	150.0	-74.9	-42.9	223.9	38.6	22.6	23.5	398.6	398.6	99.9	99.9	99.9	99.9
43.6	117.3	15110.8	125.0	-80.9	-44.9	211.1	22.6	11.7	19.3	416.1	416.1	99.9	99.9	99.9	99.9
48.3	125.3	16523.3	100.0	-87.8	-46.9	212.3	11.2	5.9	9.5	448.2	448.2	99.9	99.9	99.9	99.9
53.3	132.0	18311.9	75.0	-94.5	-48.9	193.1	6.3	1.4	2.0	518.0	518.0	99.9	99.9	99.9	99.9
60.7	143.5	20374.5	50.0	-99.9	-50.0	146.7	2.4	-1.3	1.7	601.2	601.2	99.9	99.9	99.9	99.9
71.5	153.5	25351.8	25.0	-99.9	-99.9	102.5	7.8	-7.6	1.7	601.2	601.2	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 932
PEORIA, ILLINOIS11 JUNE 1976
2030 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POY T DG K	E PCT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	7.4	202.0	985.7	31.7	18.7	210.3	5.2	2.6	4.5	306.1	344.0	13.9	46.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	8.4	303.0	975.0	30.2	14.4	214.4	10.7	6.1	8.8	305.5	334.8	10.7	38.3	0.2	39.
1.1	10.4	531.4	950.0	27.9	14.3	219.8	8.9	5.7	6.8	305.5	335.4	10.9	43.9	0.6	37.
2.0	12.5	767.0	925.0	25.3	13.7	223.6	7.4	5.1	5.3	305.2	334.8	10.8	48.5	1.0	40.
2.7	14.8	1007.0	900.0	23.0	12.5	224.5	6.9	4.8	4.9	305.2	333.7	10.2	51.6	1.3	41.
3.6	16.8	1252.2	875.0	21.1	11.2	225.8	6.3	4.5	4.4	305.7	332.3	9.6	53.2	1.7	42.
4.7	19.2	1502.5	850.0	19.1	8.3	225.9	8.0	5.7	5.5	306.1	328.9	8.2	49.8	2.1	43.
5.5	21.4	1758.4	825.0	17.0	6.3	226.3	8.4	6.3	5.6	306.6	323.0	8.4	56.4	2.5	43.
6.6	23.8	2020.3	800.0	15.0	8.2	226.9	8.5	7.4	4.1	307.2	331.2	8.6	63.6	3.1	45.
7.6	26.0	2282.2	775.0	14.1	7.2	223.3	7.6	7.3	2.2	309.0	332.4	8.3	62.1	3.5	49.
8.7	28.5	2568.6	750.0	12.1	7.4	240.4	5.9	5.4	2.4	309.7	334.3	8.7	73.0	3.9	51.
9.6	31.1	2849.2	725.0	10.3	3.2	241.5	5.5	4.8	2.6	319.7	335.0	6.7	61.6	4.2	52.
10.8	33.7	3140.7	700.0	8.2	1.9	250.3	5.0	4.9	0.9	311.6	329.9	6.3	64.3	4.6	53.
11.9	36.2	3440.4	675.0	6.7	-12.0	278.7	3.1	3.1	-0.5	313.2	325.2	2.3	24.7	4.8	54.
13.0	39.0	3748.5	650.0	4.0	-15.1	276.0	1.4	1.4	-0.2	313.5	318.8	1.7	21.2	4.9	56.
14.2	41.6	4065.9	625.0	1.7	-26.4	263.1	1.1	1.1	0.2	314.5	316.9	0.7	10.8	5.0	57.
15.4	44.4	4393.4	600.0	-0.3	-34.1	278.6	0.7	0.7	-0.1	315.8	317.0	0.4	5.8	5.0	57.
16.6	47.4	4732.0	575.0	-2.5	-23.7	248.8	2.6	2.4	0.9	317.0	320.3	1.0	17.7	5.1	58.
18.0	50.4	5083.6	550.0	-3.8	-52.4	221.4	4.3	2.9	3.3	319.5	319.7	0.1	1.0	5.4	58.
19.4	53.4	5448.6	525.0	-6.4	-34.0	224.5	4.8	3.4	3.5	320.7	320.9	0.0	1.0	5.8	56.
20.9	56.4	5828.4	500.0	-8.7	-48.0	236.9	5.8	4.8	3.1	322.5	322.8	0.1	2.4	6.3	56.
22.4	59.7	6223.7	475.0	-11.6	-50.0	244.7	5.4	4.9	2.3	323.7	324.0	0.1	2.4	6.8	56.
24.3	63.1	6635.7	450.0	-14.3	-51.5	259.6	8.4	8.3	1.5	325.2	325.5	0.1	2.6	7.4	58.
25.6	66.5	7065.7	425.0	-17.1	-60.8	261.7	7.8	7.7	1.1	327.0	327.1	0.0	1.0	8.2	60.
27.3	70.1	7517.9	400.0	-20.9	-63.3	282.1	9.4	9.4	-2.0	327.6	327.9	0.0	1.0	8.9	63.
29.1	73.8	7991.4	375.0	-24.1	-65.3	292.0	14.6	13.5	-5.5	329.7	329.8	0.0	1.0	9.8	68.
31.1	77.8	8491.6	350.0	-27.6	-66.7	291.5	13.6	12.6	-5.0	331.6	332.2	0.2	14.1	11.2	75.
33.1	81.8	8919.9	325.0	-32.2	-68.9	289.8	10.2	9.8	-2.6	332.3	333.3	0.3	37.5	12.3	78.
35.1	85.0	9581.4	300.0	-35.6	-69.1	295.0	15.7	14.2	-6.4	335.2	336.8	0.4	69.7	13.6	82.
36.9	90.7	10180.6	275.0	-40.8	-69.9	292.9	21.2	19.5	-8.2	336.1	999.9	99.9	999.9	15.3	86.
39.0	95.5	10821.0	250.0	-46.5	-69.9	290.0	18.6	16.7	-8.1	337.0	999.9	99.9	999.9	17.7	90.
41.6	100.7	11508.8	225.0	-52.4	-69.9	287.5	16.0	15.3	-4.9	337.6	999.9	99.9	999.9	20.0	92.
44.8	106.3	12268.6	200.0	-58.3	-69.9	294.7	19.2	17.5	-4.0	338.7	999.9	99.9	999.9	23.6	95.
48.5	112.3	13119.4	175.0	-62.0	-69.9	310.3	23.2	17.7	-15.0	335.9	999.9	99.9	999.9	28.0	100.
52.2	119.0	14082.0	150.0	-62.6	-69.9	305.4	18.8	13.7	-9.9	342.3	999.9	99.9	999.9	32.2	104.
56.5	126.3	15196.4	125.0	-65.7	-69.9	298.7	20.3	18.3	-8.8	349.6	999.9	99.9	999.9	37.3	106.
62.0	134.0	16553.7	100.0	-62.4	-69.9	269.3	9.6	9.6	0.1	407.2	999.9	99.9	999.9	41.3	108.
68.3	143.0	18325.4	75.0	-63.9	-69.9	286.5	2.8	2.7	-0.9	438.9	999.9	99.9	999.9	44.0	106.
77.8	152.5	20654.1	50.0	-57.2	-69.9	55.4	4.9	-4.2	-2.5	508.8	999.9	99.9	999.9	44.6	107.
91.6	162.0	25320.7	25.0	-48.3	-69.9	113.0	4.3	-3.9	1.8	645.9	999.9	99.9	999.9	41.2	108.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 553
QUANA, NERRASKA11 JUNE 1976
2000 GMT

TIME MIN	CHTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RYD GN/KG	RM PCT	RANGE KM	AZ DG
0.0	10.5	400.0	955.4	35.0	11.4	190.0	9.3	1.6	9.2	312.2	337.7	8.9	24.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	10.9	451.4	950.0	34.0	9.2	175.2	15.4	-1.3	15.4	312.3	334.6	7.0	21.3	0.3	2.0
1.3	13.3	631.6	925.0	32.2	4.1	174.1	19.7	-1.9	18.6	312.3	328.6	5.6	17.0	1.3	35.6
3.0	15.6	936.3	900.0	29.5	4.8	174.2	18.5	-1.9	18.4	311.9	329.4	6.0	20.9	3.2	35.5
4.3	18.1	1185.9	875.0	27.4	5.8	174.1	18.8	-0.6	18.7	312.2	331.5	6.6	25.3	4.6	35.5
5.2	20.5	1441.0	850.0	24.2	5.9	184.6	18.9	1.5	18.8	311.5	331.4	6.9	32.9	5.6	35.6
6.0	23.0	1700.9	825.0	22.4	4.2	190.7	18.1	3.2	17.4	312.3	330.6	6.3	30.6	6.5	35.8
7.0	25.5	1967.7	800.0	20.4	4.9	191.9	19.9	4.1	19.5	312.9	332.7	6.8	36.2	7.5	36.0
7.7	28.1	2240.9	775.0	19.1	2.8	201.8	21.2	7.9	19.6	314.3	332.1	4.1	33.8	8.4	2.0
8.7	30.9	2521.5	750.0	16.8	0.7	212.3	19.1	10.2	16.2	314.8	330.8	5.4	33.7	9.4	8.0
10.0	33.7	2809.3	725.0	14.7	-6.3	214.9	23.4	13.4	19.2	315.6	325.1	3.4	23.7	10.7	9.0
10.9	36.3	3104.6	700.0	12.5	-8.6	218.1	24.0	14.8	18.9	316.4	325.2	2.8	23.9	12.2	12.0
12.0	39.2	3408.1	675.0	9.9	-8.9	227.5	18.7	13.4	12.6	316.8	325.8	2.9	25.7	13.2	15.0
13.2	42.0	3720.4	650.0	7.7	-3.5	233.1	15.3	12.2	9.2	317.7	331.4	4.9	44.9	14.3	18.0
14.5	45.0	4042.5	625.0	4.9	-5.3	236.2	12.7	10.9	6.5	318.1	330.7	4.1	47.5	15.2	20.0
15.7	48.1	4374.1	600.0	2.3	-15.2	249.8	11.2	10.5	3.9	318.8	325.0	2.0	26.1	15.8	23.0
17.1	51.1	4716.0	575.0	-0.8	-10.8	252.1	11.3	10.7	3.5	319.1	328.2	2.9	46.4	16.4	25.0
18.7	54.3	5069.4	550.0	-3.9	-13.4	263.5	10.7	10.6	1.2	319.5	327.3	2.9	47.4	16.9	28.0
21.2	57.4	5434.7	525.0	-7.0	-13.3	264.2	10.7	10.6	1.1	320.0	328.2	2.6	60.9	17.0	32.0
24.0	60.9	5813.6	500.0	-9.4	-20.4	251.9	7.0	6.7	2.2	321.6	326.5	1.5	40.2	19.1	36.0
26.6	64.4	6205.0	475.0	-12.3	-27.4	227.0	3.2	2.4	2.2	322.8	325.7	0.8	27.0	19.6	36.0
28.4	67.9	6618.5	450.0	-16.0	-28.5	237.8	7.2	6.1	3.9	323.2	325.9	0.8	32.5	20.1	37.0
30.2	71.4	7046.5	425.0	-19.1	-34.1	257.4	7.1	7.1	0.3	324.5	324.3	0.5	25.3	20.9	38.0
33.3	75.3	7495.2	400.0	-21.8	-63.8	248.4	13.5	13.5	0.4	326.7	324.8	0.0	1.0	22.0	42.0
37.1	79.3	7968.5	375.0	-24.5	-65.6	254.3	14.7	14.2	4.0	329.2	329.2	0.0	1.0	24.4	47.0
41.0	83.3	8467.2	350.0	-28.1	-67.9	245.0	16.3	14.8	6.9	330.9	339.9	0.0	1.0	27.8	50.0
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA11 JUNE 1976
2108 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CC4P M/SEC	POT T DG K	E POT T DG K	MX QTD GM/KG	PH PCT	RANGE K4	AZ DG
0.0	14.8	847.0	902.1	35.0	8.7	180.0	10.3	0.0	10.3	317.4	340.4	7.9	20.6	7.0	0.
93.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	14.9	865.3	905.0	37.0	13.2	99.9	99.9	99.9	99.9	319.6	352.0	11.1	24.5	99.9	99.9
0.6	16.0	1124.8	875.0	33.6	7.8	99.9	99.9	99.9	99.9	318.7	341.2	7.6	20.3	99.9	99.9
1.1	19.2	1385.5	850.0	31.6	6.2	99.9	99.9	99.9	99.9	319.3	340.1	7.0	20.3	99.9	99.9
1.8	21.4	1651.9	825.0	28.8	4.5	104.7	12.4	3.2	12.0	319.1	338.2	6.4	21.2	1.3	15.
2.4	23.9	1923.8	800.0	25.9	2.4	194.3	12.9	3.2	12.5	318.8	335.9	5.7	21.6	1.7	15.
3.0	25.1	2201.5	775.0	22.9	0.3	194.3	13.8	3.4	13.4	318.5	333.7	5.1	22.3	2.2	15.
3.6	28.7	2485.4	750.0	20.1	-1.2	192.3	13.8	2.9	13.5	318.5	332.6	4.7	23.7	2.7	14.
4.2	31.3	2776.1	725.0	17.4	-2.8	192.8	14.4	3.2	14.1	318.5	331.6	4.3	25.1	3.2	14.
4.7	34.0	3073.8	700.0	14.4	-4.2	192.5	14.9	3.2	14.5	318.5	330.7	4.0	27.2	3.7	14.
5.3	36.4	3379.6	675.0	11.8	-6.1	192.9	14.9	3.3	14.5	318.9	330.0	3.6	28.0	4.2	14.
5.8	39.2	3693.6	650.0	8.9	-7.0	193.5	14.4	3.4	14.0	318.9	329.6	3.5	31.9	4.7	14.
6.4	41.9	4016.4	625.0	5.9	-8.1	193.9	13.4	3.2	13.0	319.2	329.6	3.3	35.8	5.2	14.
6.9	44.8	4348.7	600.0	2.7	-9.4	194.2	12.6	3.1	12.3	319.3	329.0	3.1	40.4	5.5	14.
7.5	47.8	4691.3	575.0	-0.7	-10.1	195.7	13.3	7.6	12.8	319.2	328.8	3.1	48.9	6.0	14.
8.4	50.7	5044.2	550.0	-4.4	-11.4	196.3	13.6	4.5	12.9	318.9	327.9	2.9	58.0	6.8	14.
10.0	53.8	5408.9	525.0	-7.6	-13.4	206.0	16.7	8.1	14.6	319.3	327.5	2.6	61.1	8.1	16.
11.9	56.8	5787.9	500.0	-8.9	-20.0	220.9	19.2	14.0	13.1	322.2	324.6	0.7	17.7	10.0	20.
13.4	60.1	6182.8	475.0	-12.0	-30.9	225.2	22.3	15.8	15.7	323.1	325.2	0.6	19.6	11.6	24.
14.6	63.6	6594.6	450.0	-14.6	-32.5	221.7	25.9	17.2	19.4	324.9	326.8	0.5	20.0	13.4	27.
15.7	67.0	7024.7	425.0	-17.8	-35.8	220.8	24.0	15.7	18.2	326.2	327.7	0.4	18.9	15.0	29.
16.7	70.6	7475.6	400.0	-21.1	-39.5	219.1	23.1	13.0	19.2	327.5	329.7	0.3	19.1	16.4	29.
17.8	74.3	7947.6	375.0	-24.6	-41.8	209.1	21.0	10.2	18.4	327.7	329.6	0.3	20.3	17.9	29.
19.0	78.3	8443.2	350.0	-30.2	-45.1	206.2	21.1	9.3	19.0	329.1	329.8	0.2	21.6	19.4	29.
20.5	82.3	8965.7	325.0	-34.8	-48.9	212.3	21.4	11.4	18.1	328.8	329.7	0.1	21.9	21.3	29.
22.3	86.4	9519.4	300.0	-39.1	-50.9	220.5	24.4	15.9	18.5	330.3	330.9	99.9	99.9	23.6	30.
24.1	91.0	10111.9	275.0	-42.1	-50.9	226.3	31.1	22.5	21.5	334.3	334.9	99.9	99.9	28.5	31.
26.7	95.7	10751.2	250.0	-46.3	-50.9	232.7	30.9	32.4	24.7	337.2	337.9	99.9	99.9	37.4	34.
28.1	100.7	11443.7	225.0	-50.8	-50.9	238.2	32.6	33.7	26.1	340.7	340.7	99.9	99.9	45.6	37.
30.6	106.0	12208.2	200.0	-54.0	-50.9	249.0	38.1	28.7	25.0	352.5	352.5	99.9	99.9	54.6	39.
33.8	112.0	13073.5	175.0	-54.7	-50.9	256.3	34.4	24.9	23.7	359.7	359.7	99.9	99.9	63.1	40.
37.2	118.3	14049.4	150.0	-58.0	-50.9	264.0	33.8	18.1	15.4	370.2	370.2	99.9	99.9	73.9	41.
40.5	125.3	15195.2	125.0	-61.5	-50.9	244.0	23.4	21.0	10.3	383.7	383.7	99.9	99.9	85.0	42.
44.8	137.0	16565.8	100.0	-66.7	-50.9	229.8	12.5	9.5	8.0	398.8	398.8	99.9	99.9	107.7	43.
50.8	141.0	18340.9	75.0	-80.5	-50.9	211.5	10.8	5.7	9.2	446.1	446.1	99.9	99.9	132.2	43.
59.3	149.7	20914.2	50.0	-54.1	-50.9	209.3	1.6	-1.4	-0.8	516.9	516.9	99.9	99.9	156.4	42.
74.3	160.0	25425.5	25.0	-46.5	-50.9	86.7	4.8	-4.8	-0.3	650.9	650.9	99.9	99.9	182.8	40.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 576
LANDER, WYOMING11 JUNE 1976
2015 GMT

143 21.0 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	22.4	1695.0	820.3	16.1	-5.6	240.3	10.3	8.9	5.2	306.1	315.2	3.1	22.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	24.5	1906.1	800.0	12.5	-5.0	237.8	10.6	9.0	5.6	304.5	314.1	3.3	22.2	0.5	72.0
1.5	26.9	2171.2	775.0	10.4	-6.0	236.7	9.4	7.3	6.0	305.0	314.3	3.1	30.8	1.0	63.0
2.4	29.4	2443.1	750.0	8.0	-6.1	212.3	8.0	4.3	6.8	305.3	314.8	3.2	36.1	1.4	56.0
3.4	32.1	2721.4	725.0	5.2	-7.6	200.0	7.8	2.6	7.3	305.2	314.0	3.0	39.0	1.8	49.0
4.4	34.8	3006.7	700.0	2.5	-7.6	209.3	8.0	3.9	7.0	305.3	314.2	3.0	46.2	2.3	43.0
5.4	37.2	3299.5	675.0	-0.2	-8.9	210.6	8.1	4.1	7.0	305.5	314.0	2.9	51.8	2.7	41.0
6.5	40.1	3600.5	650.0	-2.0	-12.1	237.2	8.5	7.1	4.6	306.8	313.8	2.3	45.5	3.3	40.0
7.4	42.7	3911.0	625.0	-4.6	-14.0	250.7	10.4	9.8	3.4	307.2	313.5	2.1	47.5	3.8	44.0
8.3	45.6	4231.0	600.0	-7.2	-15.1	257.9	9.2	8.0	1.7	307.8	313.8	2.0	53.1	4.2	48.0
9.4	48.7	4561.1	575.0	-9.9	-14.6	243.7	7.1	6.3	3.1	308.4	314.9	2.1	68.5	4.7	51.0
10.4	51.5	4903.1	550.0	-11.9	-18.3	223.7	5.9	6.2	6.4	310.0	315.1	1.6	49.0	5.1	51.0
11.5	54.7	5257.6	525.0	-14.6	-21.0	207.0	11.8	5.5	10.4	312.3	315.2	1.4	58.2	5.8	49.0
12.7	57.8	5625.1	500.0	-17.7	-23.7	206.0	14.9	6.6	13.4	311.4	315.0	1.1	59.1	6.7	46.0
13.7	61.1	6006.6	475.0	-20.6	-25.9	204.2	15.5	6.3	14.1	312.5	314.6	1.0	62.5	7.6	43.0
14.8	64.6	6404.4	450.0	-23.6	-29.3	201.0	12.6	4.5	11.8	313.5	316.0	0.7	59.1	8.5	41.0
15.9	68.0	6819.2	425.0	-27.0	-33.8	185.3	9.6	0.9	9.6	314.4	316.1	0.5	52.1	9.1	39.0
17.0	71.4	7253.7	400.0	-30.3	-38.1	176.9	9.6	-0.5	9.6	315.6	316.8	0.4	46.1	9.4	36.0
18.3	75.3	7709.2	375.0	-34.0	-44.7	192.0	5.5	1.1	5.4	316.6	317.5	0.3	46.4	10.1	34.0
19.5	79.3	8188.5	350.0	-38.1	-44.7	246.1	0.3	0.2	0.1	317.4	318.1	0.2	49.0	10.4	34.0
21.1	83.3	8694.1	325.0	-41.8	99.9	264.3	1.7	1.7	0.2	319.1	319.9	99.9	99.9	10.2	33.0
22.5	87.5	9236.5	300.0	-42.0	99.9	193.8	8.8	2.1	8.6	326.1	319.9	99.9	99.9	10.7	35.0
24.1	92.2	9823.8	275.0	-43.4	99.9	165.3	12.8	-3.2	12.4	332.3	319.9	99.9	99.9	11.4	31.0
26.1	96.8	10463.8	250.0	-43.3	99.9	196.6	15.0	4.3	14.3	341.7	319.9	99.9	99.9	13.1	28.0
28.5	101.8	11173.7	225.0	-43.0	99.9	196.5	17.9	5.1	17.2	352.7	319.9	99.9	99.9	14.9	26.0
30.8	107.5	11964.8	200.0	-44.5	99.9	200.9	21.8	7.8	20.4	362.3	319.9	99.9	99.9	18.0	25.0
33.6	113.5	12857.7	175.0	-45.3	99.9	197.7	27.7	4.4	26.4	375.1	319.9	99.9	99.9	22.0	25.0
37.0	120.0	13874.6	150.0	-50.3	99.9	203.7	23.8	9.6	21.8	383.4	319.9	99.9	99.9	26.3	24.0
40.5	127.3	15062.0	125.0	-51.2	99.9	193.7	15.0	3.5	14.5	402.4	319.9	99.9	99.9	30.8	24.0
44.4	135.3	16479.8	100.0	-60.9	99.9	164.4	14.4	-3.4	14.0	410.1	319.9	99.9	99.9	31.2	20.0
50.0	143.7	18278.8	75.0	-58.7	99.9	195.0	7.8	2.0	7.6	449.9	319.9	99.9	99.9	36.2	19.0
57.0	152.7	20847.6	50.0	-55.7	99.9	191.5	8.6	1.7	8.4	512.4	319.9	99.9	99.9	37.8	18.0
68.7	162.7	25360.3	25.0	-48.4	99.9	102.6	8.4	-8.2	1.9	645.8	319.9	99.9	99.9	37.8	13.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637
FLINT, MICHIGAN11 JUNE 1976
2102 GMT

157 16.0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCY	RANGE KM	AZ DG
0.0	8.3	236.0	979.0	30.0	16.8	320.0	5.2	4.0	-1.7	305.0	338.8	12.4	45.0	3.0	0.
0.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	8.6	272.7	975.0	30.0	17.2	315.0	5.0	4.2	-1.2	305.4	340.3	12.8	46.3	0.1	74.
0.8	10.8	504.7	950.0	28.6	16.4	301.8	6.0	5.1	-3.2	306.3	343.4	12.5	47.6	0.4	143.
1.5	13.0	741.4	925.0	27.0	15.5	293.6	7.3	6.7	-2.9	306.9	340.1	12.1	49.4	0.6	130.
2.1	13.5	983.2	900.0	24.7	14.7	298.4	9.3	7.3	-3.0	307.0	339.5	11.4	53.6	0.9	127.
2.6	17.7	1229.5	875.0	21.9	12.9	294.1	8.5	7.7	-3.8	306.6	335.4	10.8	56.6	1.2	125.
3.3	20.2	1480.3	850.0	19.4	12.1	292.0	8.8	8.2	-3.3	306.5	335.7	10.6	62.7	1.6	122.
4.2	22.5	1736.9	825.0	17.3	12.1	296.4	9.8	7.8	-3.9	306.9	336.9	10.9	71.6	2.0	120.
5.4	23.0	1999.0	800.0	14.8	10.4	292.9	10.1	9.3	-3.9	307.0	336.7	10.0	74.6	2.7	119.
6.4	27.4	2267.8	775.0	12.6	9.9	294.5	10.3	9.4	-3.3	307.4	335.2	10.0	83.7	3.3	118.
7.5	30.0	2542.5	750.0	9.9	6.3	296.9	12.5	11.1	-3.7	307.3	329.9	8.0	78.5	4.0	118.
8.7	32.7	2824.2	725.0	8.7	-2.6	296.1	14.1	12.7	-6.2	309.0	322.1	4.5	45.6	5.0	117.
9.7	35.4	3114.2	700.0	6.0	-21.1	304.2	13.7	11.4	-7.7	311.4	319.0	1.1	11.7	5.8	117.
10.6	38.0	3413.2	675.0	7.0	-35.3	308.7	15.1	11.8	-9.4	314.4	314.4	0.3	3.0	6.6	119.
11.4	40.7	3721.6	650.0	4.4	-34.9	312.1	14.4	10.7	-9.6	313.9	315.0	0.3	3.7	7.3	120.
12.4	43.5	4039.1	625.0	2.2	-36.6	314.0	13.2	9.5	-9.2	315.0	315.9	0.3	3.6	8.2	121.
13.7	46.4	4367.0	600.0	-0.0	-37.4	315.4	12.7	8.9	-9.0	316.1	317.0	0.3	4.0	9.1	123.
15.1	49.5	4706.7	575.0	-1.3	-37.9	320.3	12.5	8.0	-9.6	318.5	319.4	0.2	4.1	10.2	124.
16.2	52.4	5059.7	550.0	-3.1	-38.6	323.2	10.1	5.0	-9.7	320.4	321.3	0.2	4.4	10.9	126.
17.4	55.4	5425.6	525.0	-6.3	-40.0	333.1	10.4	4.7	-9.3	320.9	321.7	0.2	4.8	11.5	127.
18.4	58.6	5804.5	500.0	-9.6	-41.6	337.2	11.1	4.3	-10.2	321.3	322.0	0.2	5.3	12.1	129.
19.5	62.0	6196.5	475.0	-12.2	-42.9	339.1	12.0	4.3	-11.2	322.8	323.5	0.2	5.7	12.7	130.
20.6	65.4	6609.6	450.0	-15.1	-44.4	333.4	15.5	6.9	-13.8	324.1	324.9	0.2	6.0	13.5	132.
21.9	68.9	7038.8	425.0	-18.2	-46.2	321.1	14.8	9.1	-15.5	325.6	326.1	0.1	6.5	14.8	134.
23.3	72.3	7499.6	400.0	-20.4	-47.5	329.3	18.9	9.7	-16.3	328.4	329.9	0.1	6.8	16.4	139.
24.7	76.1	7964.7	375.0	-23.7	-49.4	336.5	17.7	7.0	-16.2	330.2	330.6	0.1	7.3	17.8	137.
26.4	80.1	8463.8	350.0	-28.2	-52.2	336.9	17.0	6.7	-15.6	330.7	331.1	0.1	7.9	19.4	139.
27.9	84.2	8990.3	325.0	-33.1	-62.4	321.6	16.8	8.2	-14.7	331.1	331.2	0.0	3.8	20.9	140.
29.5	88.3	9547.5	300.0	-37.7	-58.5	317.1	18.5	12.6	-13.5	332.2	332.4	0.0	9.2	22.6	140.
31.1	92.8	10141.6	275.0	-42.2	-59.9	304.7	24.3	20.0	-13.8	334.0	334.0	99.9	99.9	24.7	139.
32.8	97.6	10778.3	250.0	-47.6	-59.9	311.9	23.9	17.8	-16.0	335.3	335.9	99.9	99.9	27.2	138.
34.9	102.5	11465.7	225.0	-53.2	-59.9	320.2	23.0	14.7	-17.6	337.0	337.0	99.9	99.9	30.1	138.
37.0	108.0	12217.8	200.0	-57.4	-59.9	308.1	26.6	13.0	-13.3	337.0	337.0	99.9	99.9	33.1	137.
39.2	113.8	13067.5	175.0	-57.7	-59.9	288.3	24.1	22.9	-7.6	354.7	354.7	99.9	99.9	36.3	135.
41.7	120.3	14028.9	150.0	-60.2	-59.9	304.3	21.6	17.9	-12.1	366.4	366.4	99.9	99.9	39.7	131.
44.6	127.3	15137.6	125.0	-60.1	-59.9	306.6	16.8	13.5	-10.0	384.2	384.2	99.9	99.9	42.8	133.
48.1	135.3	16564.7	100.0	-59.9	-59.9	296.5	12.7	11.4	-8.7	412.0	412.0	99.9	99.9	45.3	132.
52.4	143.3	18361.7	75.0	-58.9	-59.9	313.2	3.6	2.6	-2.5	449.4	449.4	99.9	99.9	47.7	131.
58.5	151.8	20918.0	50.0	-53.9	-59.9	324.9	2.6	1.5	-2.2	516.6	516.6	99.9	99.9	49.1	132.
68.5	161.0	25418.1	25.0	-47.8	-59.9	75.4	2.9	-2.8	-0.7	647.4	647.4	99.9	99.9	47.6	134.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 645
GREEN HAY, WISCONSIN11 JUNE 1976
2100 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX WTD GM/KG	PH PCT	RANGE KM	AZ DG
0.0	7.5	210.0	983.1	28.3	21.8	120.0	5.2	-4.5	2.6	302.9	308.3	17.0	68.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	8.4	263.4	975.0	26.5	15.8	99.9	99.9	99.9	99.9	301.8	331.3	10.9	48.7	99.9	99.9
1.0	10.5	511.9	950.0	23.9	13.8	99.9	99.9	99.9	99.9	301.5	330.0	10.5	53.3	99.9	99.9
1.7	12.7	744.4	925.0	21.9	13.7	99.9	99.9	99.9	99.9	301.7	330.7	10.8	59.9	99.9	99.9
2.7	15.0	982.4	905.0	20.8	15.0	171.3	3.0	-0.5	2.9	302.9	335.4	12.0	69.4	9.8	359.
3.5	17.2	1226.2	875.0	19.3	15.0	208.1	4.1	1.9	3.4	303.9	336.9	12.2	74.9	0.8	311.
4.3	19.6	1475.5	850.0	17.4	13.0	232.7	4.9	3.9	3.0	304.4	335.0	11.2	75.6	9.9	325.
5.1	21.8	1730.5	825.0	15.9	10.9	253.5	6.7	6.5	1.9	305.4	333.1	10.0	72.4	0.9	345.
6.0	24.4	1991.7	805.0	14.0	7.8	272.9	7.6	7.6	-0.4	306.0	329.4	8.4	66.6	0.9	9.
6.7	26.7	2259.5	775.0	14.2	-11.1	291.8	7.2	6.7	-2.7	309.1	315.6	2.1	16.2	1.0	30.
7.5	29.3	2535.1	750.0	12.4	-9.3	311.1	7.4	5.6	-4.9	310.0	317.7	2.6	21.4	1.0	51.
8.4	32.0	2817.7	725.0	9.8	-3.9	308.7	8.3	6.5	-5.2	310.3	322.0	4.0	37.7	1.1	73.
9.4	34.7	3108.2	700.0	7.4	-8.0	298.1	9.6	8.7	-3.9	310.7	321.2	3.5	37.8	1.5	89.
10.3	37.2	3406.6	675.0	5.1	-4.6	292.4	10.5	9.7	-4.0	311.3	321.2	4.0	49.8	2.0	94.
11.4	40.0	3713.5	650.0	2.7	-5.1	298.2	10.5	9.3	-5.0	312.1	321.2	4.0	56.4	2.7	100.
12.5	42.6	4030.4	625.0	0.9	-7.0	311.7	11.0	8.4	-7.1	313.5	321.2	3.6	55.6	3.3	104.
13.6	45.6	4357.6	600.0	-1.3	-11.8	316.4	12.3	8.5	-6.9	314.7	321.2	2.6	44.5	4.1	110.
14.7	48.6	4695.2	575.0	-4.3	-12.2	315.8	11.9	8.3	-6.5	314.9	321.2	2.6	54.1	4.8	114.
15.9	51.5	5047.9	550.0	-7.0	-10.2	316.2	9.5	6.6	-6.9	315.8	322.1	2.0	47.7	5.5	117.
17.1	54.7	5405.9	525.0	-8.4	-39.9	316.1	7.1	4.9	-5.1	318.4	319.7	0.4	9.5	6.1	119.
18.3	57.7	5782.4	500.0	-11.0	-30.8	309.4	7.1	5.5	-4.5	319.6	320.8	0.3	10.2	6.5	120.
19.6	61.1	6174.3	475.0	-13.7	-47.9	302.9	7.0	5.9	-3.8	321.1	321.5	0.1	3.9	7.1	121.
21.0	64.6	6583.5	450.0	-16.2	-32.6	314.6	7.6	5.6	-5.5	322.9	325.2	0.7	27.7	7.6	121.
22.4	68.0	7011.3	425.0	-19.1	-29.1	308.3	9.4	7.3	-6.0	324.5	328.4	1.2	58.4	8.4	122.
23.9	71.4	7459.5	400.0	-22.7	-30.5	287.3	10.4	9.9	-3.1	325.6	328.4	0.7	47.9	9.3	122.
25.5	75.3	7910.7	375.0	-25.4	-35.6	281.8	11.7	11.5	-2.4	327.9	329.7	0.5	38.1	10.3	120.
27.1	79.3	8427.4	350.0	-29.5	-40.2	279.4	14.4	14.2	-2.3	328.9	330.1	0.3	34.5	11.5	118.
29.0	83.3	8952.8	325.0	-32.9	-40.8	284.5	13.3	12.9	-3.4	331.4	332.0	0.2	73.0	13.0	116.
30.8	87.4	9510.5	300.0	-37.7	-47.1	301.8	12.3	10.5	-6.5	332.3	333.0	0.2	36.3	14.4	116.
32.8	92.2	10104.1	275.0	-42.9	99.9	298.3	15.6	13.7	-7.4	333.2	333.0	99.9	99.9	16.0	116.
34.6	96.8	10739.7	250.0	-48.4	99.9	284.3	15.5	17.6	-5.8	334.2	333.0	99.9	99.9	17.8	116.
36.7	101.8	11424.4	225.0	-54.3	99.9	289.4	15.7	14.8	-5.2	335.3	333.0	99.9	99.9	21.2	115.
39.1	107.5	12170.4	200.0	-59.3	99.9	281.3	15.9	13.9	-5.4	336.8	333.0	99.9	99.9	22.2	115.
41.9	113.3	13006.8	175.0	-58.6	99.9	290.8	17.7	16.6	-6.3	333.2	333.0	99.9	99.9	25.0	114.
45.1	119.8	13971.1	150.0	-61.3	99.9	295.7	23.7	21.3	-10.3	334.6	333.0	99.9	99.9	28.8	114.
48.7	127.0	15104.0	125.0	-57.8	99.9	303.3	13.2	11.0	-7.2	330.3	330.0	99.9	99.9	33.1	115.
53.3	135.3	16498.9	100.0	-61.3	99.9	300.8	9.2	7.9	-4.7	409.4	333.0	99.9	99.9	35.8	115.
59.1	143.7	16291.6	75.0	-60.4	99.9	301.6	7.2	6.1	-3.8	446.3	333.0	99.9	99.9	38.9	114.
67.3	153.3	20856.5	50.0	-55.1	99.9	36.7	2.5	-1.5	-2.0	513.8	333.0	99.9	99.9	39.5	116.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
HUFON, SOUTH DAKOTA11 JUNE 1976
2002 GMT

TIME MIN	CHTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	10.0	920.0	951.9	31.1	18.1	165.3	12.4	-3.2	12.0	308.6	346.9	13.9	46.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
6.0	10.1	410.0	950.0	30.9	17.9	164.3	12.0	-3.3	11.5	308.6	346.5	13.8	46.0	0.1	357.
9.9	12.2	648.6	925.0	26.2	17.1	156.5	11.3	-4.5	10.7	309.2	346.4	13.4	48.2	0.9	340.
2.0	14.5	892.1	900.0	26.5	15.9	161.4	14.6	-4.7	13.8	308.8	344.2	12.8	52.4	1.8	339.
3.0	16.6	1140.3	875.0	24.1	15.0	159.3	15.4	-5.4	14.4	308.8	343.2	12.4	56.9	2.6	340.
3.8	19.0	1393.4	850.0	21.9	14.3	158.9	15.1	-5.2	14.2	309.1	342.8	12.2	62.1	3.4	340.
4.8	21.2	1692.1	825.0	19.5	12.5	163.3	19.7	-5.6	14.4	309.2	342.6	11.2	64.2	4.4	341.
5.8	23.6	1918.1	800.0	21.5	5.7	177.1	14.3	-0.7	14.3	314.1	335.1	7.2	35.8	5.5	344.
6.8	25.9	2193.3	775.0	20.9	2.1	175.0	11.8	-1.0	11.8	316.3	333.5	5.8	28.8	6.2	345.
7.6	28.4	2475.5	750.0	18.3	0.5	174.4	11.6	-1.1	11.5	316.4	332.2	5.3	30.1	6.8	346.
8.5	31.0	2764.4	725.0	15.6	-0.3	174.2	10.5	-1.1	10.4	316.8	332.3	5.2	33.4	7.4	346.
9.4	33.7	3061.0	700.0	13.0	-1.5	172.9	9.8	-1.2	9.8	316.9	331.6	4.9	36.7	7.9	347.
10.3	36.1	3345.0	675.0	10.3	-2.4	168.3	9.4	-1.9	9.2	317.2	331.5	4.8	40.8	8.5	347.
11.5	38.9	3677.7	650.0	7.4	-3.8	170.6	9.1	-1.5	9.0	317.4	330.9	4.5	44.6	9.0	347.
12.6	41.4	4009.4	625.0	6.2	-6.7	191.7	10.5	2.1	10.3	319.5	330.9	3.7	39.8	9.7	348.
13.7	44.3	4333.4	600.0	3.3	-9.8	212.9	11.3	6.1	9.5	320.0	329.5	3.0	37.6	10.4	350.
14.9	47.3	4676.6	575.0	0.0	-10.9	221.4	12.8	8.5	9.6	320.0	329.1	2.9	43.5	10.9	354.
16.0	50.3	5030.9	550.0	-3.1	-15.3	224.5	15.0	10.9	10.7	320.4	327.1	2.1	38.2	11.6	357.
17.4	53.3	5396.9	525.0	-6.7	-18.3	227.4	16.3	12.0	11.1	320.4	327.0	2.0	45.2	12.4	2.
18.6	56.1	5775.6	500.0	-9.9	-17.9	226.6	15.9	11.6	11.0	321.0	327.0	1.9	52.2	13.3	5.
19.9	59.4	6169.5	475.0	-14.0	-21.2	225.5	16.0	10.8	11.8	320.7	325.6	1.5	54.4	14.3	9.
21.2	62.8	6577.6	450.0	-15.6	-35.8	227.4	13.5	10.0	9.2	323.4	324.8	1.4	16.1	15.3	11.
22.7	66.0	7005.7	425.0	-18.8	-40.3	221.4	10.8	7.1	8.1	324.9	325.9	0.3	13.0	16.2	14.
24.4	69.7	7454.0	400.0	-22.7	-40.9	224.1	7.2	5.0	5.2	325.4	325.4	0.3	17.1	16.9	15.
25.9	73.1	7923.6	375.0	-27.0	-44.9	232.8	10.6	8.4	6.4	325.9	325.6	0.2	16.3	17.6	16.
27.6	77.0	8416.5	350.0	-31.4	-47.3	242.0	12.5	11.0	5.9	326.4	326.9	0.1	19.0	18.4	19.
29.3	80.9	8937.0	325.0	-34.3	-51.1	231.8	18.2	14.3	11.3	328.0	328.4	0.1	17.9	19.6	22.
31.1	85.1	9491.7	300.0	-37.7	-53.6	226.5	17.9	13.0	12.3	332.2	332.5	0.1	17.7	21.6	24.
33.1	89.4	10086.0	275.0	-42.3	99.9	242.1	18.2	16.1	8.5	333.9	999.9	99.9	999.9	23.3	26.
35.2	94.2	10724.9	250.0	-46.5	99.9	250.9	24.0	23.2	6.3	337.0	999.9	99.9	999.9	25.2	31.
37.6	99.0	11416.8	225.0	-50.4	99.9	250.4	20.7	20.1	4.9	341.2	999.9	99.9	999.9	27.8	36.
40.2	104.3	12133.0	200.0	-52.5	99.9	227.3	17.3	12.7	11.5	349.6	999.9	99.9	999.9	31.1	38.
42.9	110.2	13038.3	175.0	-56.0	99.9	99.9	99.9	99.9	99.9	357.6	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655
ST. CLOUD, MINNESOTA11 JUNE 1976
2200 GMT

TIME MIN	CHCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX ATO GM/KG	RH PCY	RANGE KM	AZ DG
0.0	9.1	315.0	968.5	29.9	20.7	120.0	4.6	-4.0	2.3	305.8	349.5	16.2	58.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	10.5	486.7	950.0	28.0	99.9	99.9	99.9	99.9	99.9	305.6	99.9	99.9	99.9	99.9	99.9
1.6	12.6	722.7	925.0	25.7	19.3	99.9	99.9	99.9	99.9	305.6	347.4	15.4	67.6	99.9	99.9
2.6	14.9	964.0	900.0	23.2	18.6	141.4	8.8	-5.5	6.9	305.5	347.0	15.4	76.1	1.3	330.0
3.5	17.0	1209.0	875.0	21.0	18.0	151.7	10.9	-5.2	9.4	305.7	346.4	15.0	82.7	1.9	326.0
4.4	19.3	1461.1	850.0	18.8	16.3	171.1	9.3	-1.4	9.1	305.9	343.8	13.9	85.5	2.4	331.0
5.8	21.6	1717.8	825.0	20.1	-4.7	146.8	11.4	1.3	11.3	309.9	319.7	3.3	18.3	3.1	339.0
6.9	24.0	1982.6	800.0	19.3	-3.7	177.4	9.3	-0.4	9.3	311.7	322.6	3.6	28.7	3.8	343.0
7.9	26.3	2254.2	775.0	16.9	-3.1	174.5	6.9	-0.7	6.2	312.0	323.8	3.9	25.3	4.3	346.0
8.9	28.9	2532.2	750.0	14.8	-4.2	178.9	5.2	-0.1	5.2	312.6	323.9	3.8	26.7	4.6	346.0
9.9	31.4	2817.6	725.0	12.4	-4.2	184.2	5.6	0.4	5.5	313.0	324.4	3.8	35.9	5.3	348.0
10.9	34.1	3110.3	700.0	9.5	-4.9	197.6	7.6	2.3	7.1	313.0	324.1	3.4	36.3	5.8	351.0
12.0	36.6	3411.0	675.0	7.2	-6.7	205.4	9.6	4.1	8.6	313.7	324.1	3.4	43.1	6.4	355.0
13.2	39.4	3719.9	650.0	4.3	-7.1	209.3	10.5	5.2	9.2	313.8	324.3	3.5	47.1	7.0	359.0
14.4	42.0	4037.6	625.0	1.7	-8.4	205.9	11.5	5.0	10.3	314.4	324.3	3.3	47.1	7.8	361.0
15.7	44.9	4365.3	600.0	-1.1	-9.3	204.5	11.0	4.5	10.0	314.9	324.5	3.2	52.6	7.8	361.0
17.0	48.0	4703.1	575.0	-4.0	-10.4	207.4	10.9	5.0	9.6	315.3	324.6	3.0	61.3	8.6	361.0
18.2	50.8	5052.3	550.0	-7.1	-10.1	218.5	8.8	5.5	8.9	315.7	325.6	3.2	79.1	9.3	361.0
19.6	54.0	5414.0	525.0	-9.1	-10.8	241.3	6.6	5.8	3.2	317.5	327.3	3.2	87.3	9.7	361.0
20.8	57.0	5790.3	500.0	-11.7	-11.9	244.2	7.7	7.1	3.1	319.5	329.3	3.1	94.1	10.0	361.0
22.1	60.4	6182.3	475.0	-14.0	-15.6	247.3	10.0	9.2	3.9	320.6	329.3	2.4	87.8	10.4	361.0
23.6	64.0	6590.2	450.0	-17.3	-20.5	246.5	11.2	10.3	4.4	321.5	326.9	1.7	75.7	11.0	361.0
25.1	67.3	7016.7	425.0	-20.0	-22.8	256.5	12.9	12.5	3.0	323.3	329.1	1.4	78.6	11.7	361.0
26.6	70.9	7463.9	400.0	-22.6	-31.8	260.1	11.9	11.7	2.0	325.7	329.0	0.7	42.6	12.4	361.0
28.3	74.7	7934.8	375.0	-25.9	-36.2	260.3	9.3	9.2	1.6	327.3	329.0	0.5	37.7	13.0	361.0
30.0	78.8	8429.7	350.0	-29.7	-39.5	278.0	8.2	8.1	-1.1	328.8	333.0	0.1	37.6	13.5	361.0
31.8	82.8	8954.8	325.0	-33.4	-43.4	262.8	7.5	7.5	6.9	330.7	331.6	0.2	35.6	14.0	361.0
33.9	87.2	9511.3	300.0	-37.4	-47.5	238.9	6.4	5.5	3.3	331.3	331.9	0.2	37.1	14.7	361.0
35.7	91.8	10193.5	275.0	-43.2	99.9	218.2	6.6	4.0	5.2	332.6	999.9	99.9	99.9	15.4	361.0
38.0	96.6	10737.7	250.0	-48.4	99.9	241.4	13.8	12.1	6.6	334.1	999.9	99.9	99.9	16.6	40.0
40.2	101.6	11428.1	225.0	-51.1	99.9	251.7	19.5	18.5	6.1	340.3	999.9	99.9	99.9	18.7	44.0
42.9	107.5	12187.6	200.0	-53.7	99.9	254.1	18.3	17.6	5.0	347.8	999.9	99.9	99.9	21.3	47.0
45.4	113.5	13042.0	175.0	-57.1	99.9	277.5	24.6	24.4	-3.3	355.7	999.9	99.9	99.9	24.2	52.0
48.8	120.0	14010.1	150.0	-60.0	99.9	282.8	18.2	17.7	-4.0	366.8	999.9	99.9	99.9	26.8	58.0
52.5	127.7	15136.3	125.0	-61.5	99.9	302.8	7.6	6.4	-4.1	381.7	999.9	99.9	99.9	29.4	64.0
57.0	136.0	16525.7	100.0	-61.7	99.9	295.1	10.9	9.8	-4.5	408.5	999.9	99.9	99.9	32.3	68.0
62.5	144.0	18314.6	75.0	-59.1	99.9	259.3	3.7	3.2	-1.8	449.1	999.9	99.9	99.9	34.7	68.0
69.6	153.0	20876.5	50.0	-56.4	99.9	207.2	1.4	0.6	1.2	510.6	999.9	99.9	99.9	33.8	69.0
80.8	162.7	25378.5	25.0	-47.6	99.9	85.5	4.4	-4.4	-0.3	648.1	999.9	99.9	99.9	31.9	67.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STAT: ON NO. 662
RAPID CITY, SOUTH DAKOTA

11 JUNE 1976
2000 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
0.7	15.0	966.0	899.9	30.0	12.9	360.0	5.2	0.0	-5.2	313.4	343.5	10.6	35.0	0.0	0.
09.9	09.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	09.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	09.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	09.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	09.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.7	15.0	1110.3	875.0	28.6	7.6	351.5	5.2	0.8	-5.1	313.5	335.3	7.5	26.7	0.2	163.
1.5	17.2	1373.0	850.0	26.4	6.0	359.3	6.9	0.1	-6.9	313.6	336.8	8.0	31.3	0.5	169.
2.5	21.5	1634.6	825.0	22.6	7.7	5.3	7.1	-0.7	-7.1	312.5	335.5	8.0	38.3	0.9	175.
3.4	23.4	1901.4	800.0	20.2	7.4	25.0	6.3	-2.8	-5.7	312.7	336.0	8.1	43.6	1.3	179.
4.0	24.1	2174.6	775.0	18.3	6.1	39.6	5.6	-3.6	-4.3	313.5	335.7	7.7	44.9	1.5	156.
6.9	28.6	2454.6	750.0	15.6	3.4	317.5	5.9	-0.6	-5.9	313.6	337.8	6.6	44.0	1.8	158.
6.0	31.2	2741.5	725.0	13.8	-3.5	6.2	4.8	3.3	-3.6	314.6	325.9	4.1	29.7	2.1	154.
7.2	33.9	3036.1	700.0	11.6	-3.7	283.9	3.9	3.8	-0.9	315.4	327.9	4.1	33.8	2.2	177.
7.4	36.3	3333.1	675.0	9.2	-6.4	287.3	2.2	2.2	0.1	316.0	326.7	3.5	32.4	2.3	171.
9.7	39.1	3650.5	650.0	6.6	-9.5	201.4	2.1	0.8	1.9	316.5	325.3	2.9	30.4	2.2	168.
11.1	41.7	3971.1	625.0	4.	-5.8	187.6	6.1	8.8	6.1	317.2	326.2	2.9	35.3	1.9	155.
12.5	44.6	4301.7	600.0	1.7	-14.1	150.0	11.1	1.9	10.9	318.1	324.8	2.1	29.7	1.3	150.
13.7	47.6	4622.6	575.0	-1.6	-14.9	186.7	11.6	1.4	1.5	318.1	324.8	2.1	35.4	0.8	110.
15.0	50.5	4994.5	550.0	-4.8	-20.1	137.0	19.1	2.3	19.0	318.4	323.0	1.4	29.1	1.2	49.
16.6	53.6	5358.8	525.0	-7.1	-24.1	193.0	20.2	4.5	19.6	319.9	323.4	1.0	24.1	3.1	23.
18.0	56.6	5737.7	500.0	-9.5	-31.7	191.1	19.4	3.7	19.0	321.5	323.5	0.6	15.8	4.7	20.
19.4	59.9	6131.1	475.0	-13.1	-34.8	185.6	18.4	1.8	14.3	321.7	323.2	0.4	14.1	6.3	17.
20.9	63.3	6540.2	450.0	-16.8	-36.3	184.8	19.0	1.6	12.9	322.2	323.5	0.4	16.4	7.9	14.
22.5	66.6	6966.3	425.0	-20.5	-39.4	189.0	20.5	3.2	20.2	322.7	323.8	0.3	16.4	9.4	13.
24.2	70.3	7411.2	400.0	-24.9	-41.9	185.5	21.6	3.2	21.4	322.6	323.5	0.2	19.0	12.0	12.
26.0	73.9	7876.7	375.0	-28.5	-44.2	191.2	23.9	4.6	23.4	323.4	324.5	0.2	20.4	14.4	12.
28.1	77.8	8366.4	350.0	-33.1	-46.7	197.0	26.8	7.8	25.4	324.2	324.7	0.2	23.9	17.5	12.
29.9	81.7	8881.8	325.0	-36.4	-50.2	201.0	26.6	9.5	24.8	326.5	327.0	0.1	22.1	23.5	13.
31.9	85.9	9434.5	300.0	-40.6	-59.9	201.0	29.9	10.7	27.9	328.2	999.9	99.9	99.9	23.8	14.
34.1	90.4	10020.9	275.0	-45.6	-59.9	204.7	28.5	11.9	25.9	329.2	999.9	99.9	99.9	27.4	15.
36.1	95.0	10640.7	250.0	-49.8	-99.9	205.3	33.6	16.3	26.4	332.0	999.9	99.9	99.9	31.2	17.
38.4	99.8	11137.8	225.0	-49.7	-99.9	209.7	32.2	15.9	26.0	332.4	999.9	99.9	99.9	35.7	19.
41.0	105.0	12110.7	200.0	-49.3	-99.9	156.7	27.8	8.0	26.7	334.6	999.9	99.9	99.9	40.2	19.
43.8	110.7	12980.9	175.0	-52.6	-99.9	207.2	25.7	11.7	22.9	333.1	997.9	99.9	99.9	44.7	20.
46.8	116.5	13974.1	150.0	-54.3	-99.9	234.3	21.0	17.1	12.3	376.6	999.9	99.9	99.9	49.2	22.
50.5	123.5	15135.7	125.0	-56.8	-99.9	169.3	13.3	-2.7	13.1	388.6	999.9	99.9	99.9	51.0	22.
54.8	130.8	16525.6	100.0	-62.8	-99.9	242.8	7.6	6.8	3.5	455.4	999.9	99.9	99.9	54.2	22.
60.3	136.7	18318.7	75.0	-59.4	-99.9	165.6	9.9	-2.5	9.6	448.4	999.9	99.9	99.9	55.0	21.
68.0	147.3	22894.3	50.0	-54.2	-99.9	170.0	2.8	-0.5	2.8	515.9	999.9	99.9	99.9	58.5	20.
70.0	157.5	25398.4	25.0	-47.5	-99.9	90.9	5.4	-5.6	0.1	648.4	999.9	99.9	99.9	56.7	18.

• BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

• BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 734
SAULT STE. MARIE, MICHIGAN11 JUNE 1976
2015 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX WTD GM/KG	RH PCT	RANGE KM	AZ DEG
0.0	7.3	221.0	982.7	18.9	11.2	320.0	7.2	4.6	-5.5	293.5	316.1	8.6	61.0	0.0	0.
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	7.9	208.3	975.0	17.6	99.9	321.5	8.4	5.3	-6.6	292.8	309.9	9.9	99.9	0.2	115.
0.9	10.1	508.7	950.0	14.2	7.5	325.3	8.2	4.7	-6.8	291.6	309.9	6.9	99.9	0.5	135.
1.8	12.0	734.5	925.0	14.7	8.6	356.6	6.6	0.4	-6.6	294.4	314.7	7.6	66.7	0.6	164.
2.7	14.2	965.9	970.0	12.8	7.7	374.4	7.4	-2.2	-7.1	294.7	314.5	7.4	71.3	1.1	158.
3.4	16.2	1202.1	975.0	11.1	6.5	353.3	5.0	-2.9	-4.1	295.3	314.1	7.0	73.6	1.3	168.
4.2	18.4	1443.7	950.0	9.4	4.7	354.4	3.6	-0.7	-3.5	296.0	313.3	6.4	73.0	1.5	175.
5.2	20.4	1692.4	925.0	11.6	0.1	354.4	9.4	0.3	-9.4	300.9	314.2	4.7	45.0	1.8	175.
6.2	22.8	1950.1	800.0	12.3	-5.6	351.2	12.2	1.9	-12.0	304.2	313.5	3.2	28.2	2.5	175.
7.2	25.2	2215.6	775.0	11.7	-15.8	324.1	11.4	6.0	-9.7	306.4	311.0	1.5	13.3	3.2	172.
8.1	27.5	2488.9	750.0	10.5	-22.7	323.6	13.0	7.7	-10.4	308.0	317.7	0.8	7.8	3.7	167.
8.9	30.0	2769.5	725.0	8.2	-23.7	323.3	14.0	8.4	-11.2	308.4	311.0	0.8	8.3	4.4	164.
10.0	32.6	3057.8	700.0	6.1	-25.0	321.8	14.3	8.8	-11.2	309.2	311.5	0.7	8.5	5.2	160.
11.2	35.2	3354.5	675.0	4.6	-27.2	321.7	15.8	9.4	-12.8	310.8	312.8	0.6	7.7	6.2	157.
12.2	37.6	3660.6	650.0	2.6	-30.5	322.5	17.4	10.6	-13.8	311.9	313.5	0.5	6.5	7.2	155.
13.4	40.4	3976.4	625.0	0.6	-31.0	320.3	18.5	11.8	-14.2	313.1	314.7	0.5	7.2	8.5	153.
14.6	43.9	4302.8	600.0	-0.9	-39.2	315.8	20.1	14.0	-14.4	315.1	315.8	0.2	3.5	9.9	151.
15.9	46.0	4640.9	575.0	-3.1	-40.1	306.3	21.4	16.8	-13.3	316.3	317.1	0.2	3.7	11.4	148.
17.1	48.0	4990.7	550.0	-5.9	-41.3	306.3	23.9	19.2	-14.1	317.1	317.8	0.2	4.1	12.9	146.
18.2	51.8	5353.5	525.0	-8.2	-42.4	304.2	26.3	21.7	-14.8	318.6	319.2	0.2	4.3	14.5	143.
19.6	55.0	5729.9	500.0	-11.3	-44.1	303.2	27.5	23.0	-15.1	319.0	319.6	0.1	4.7	16.6	141.
20.8	58.0	6121.2	475.0	-14.3	-45.6	302.4	27.8	23.5	-14.9	320.3	320.8	0.1	5.0	18.5	139.
22.2	61.4	6528.7	450.0	-17.7	-47.0	305.7	27.2	22.3	-15.6	321.0	321.5	0.1	5.6	20.7	137.
23.7	65.0	6953.1	425.0	-21.3	-46.6	307.8	26.2	20.7	-16.1	321.7	322.2	0.1	6.1	23.1	136.
25.3	68.5	7397.7	400.0	-24.4	-44.6	314.4	27.8	19.9	-19.5	323.3	323.8	0.1	7.6	25.7	135.
27.1	72.0	7865.2	375.0	-26.9	-51.5	315.6	31.2	21.8	-22.2	326.0	326.1	0.1	8.5	29.3	134.
28.7	75.9	8359.4	350.0	-31.5	-44.1	323.9	27.3	16.1	-22.1	326.4	326.6	0.1	8.5	31.7	134.
30.4	80.0	8878.7	325.0	-35.4	-56.3	325.7	29.5	12.1	-26.9	327.9	328.1	0.1	9.6	34.5	133.
32.2	84.2	9430.4	300.0	-40.3	-59.9	341.1	30.9	10.4	-29.2	329.5	329.9	99.9	99.9	37.4	132.
33.9	88.4	10118.0	275.0	-44.2	-69.0	337.1	30.5	13.8	-27.2	331.3	331.3	99.9	99.9	47.5	130.
36.0	93.2	10649.9	250.0	-49.4	-69.9	321.9	33.2	20.5	-26.1	332.6	332.6	99.9	99.9	44.4	131.
38.3	98.2	11333.2	225.0	-54.0	-69.9	312.9	28.6	21.0	-19.5	335.7	335.7	99.9	99.9	48.8	130.
40.8	103.5	12078.5	200.0	-60.1	-69.9	313.9	28.5	20.6	-15.8	337.5	337.5	99.9	99.9	53.1	130.
43.8	108.5	12917.5	175.0	-53.8	-69.9	297.9	27.6	24.4	-12.9	361.0	361.0	99.9	99.9	58.4	130.
46.9	113.5	13897.9	150.0	-58.7	-69.9	305.1	31.1	25.4	-17.9	369.0	369.0	99.9	99.9	64.1	137.
50.0	122.7	15043.3	125.0	-55.7	-69.9	310.9	21.1	16.0	-13.8	394.1	394.1	99.9	99.9	70.1	137.
52.5	130.3	16487.9	100.0	-58.8	-69.9	295.0	15.2	13.8	-6.4	414.1	414.1	99.9	99.9	74.0	135.
51.3	138.3	18284.7	75.0	-57.2	-69.9	304.4	6.9	5.7	-7.9	453.1	453.1	99.9	99.9	78.0	135.
59.0	146.3	20440.5	50.0	-56.0	-69.9	68.4	2.2	-2.1	-0.8	511.4	511.4	99.9	99.9	74.2	135.
60.0	155.0	25345.2	25.0	-47.9	-69.9	112.3	4.5	-4.2	1.7	647.0	647.0	99.9	99.9	78.7	137.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
INTL. FALLS, MINNESOTA
11 JUNE 1976
2102 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.6	359.0	964.5	27.2	16.5	120.0	5.7	-4.0	2.8	303.5	336.9	12.4	52.0	0.0	0
0.9	9.9	99.9	1000.0	25.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	9.9	99.9	975.0	25.4	15.8	108.0	9.5	-9.0	2.9	303.0	335.6	12.0	55.3	0.3	282
6.7	8.9	492.9	950.0	25.4	15.8	108.0	9.5	-9.0	2.9	303.0	335.6	12.0	55.3	0.3	282
1.5	10.9	727.0	925.0	23.3	13.4	116.2	7.6	-6.8	2.4	303.2	335.6	11.7	59.6	0.7	286
2.7	12.9	965.7	900.0	21.2	13.4	116.2	7.6	-6.8	2.4	303.2	335.6	11.7	59.6	0.7	286
3.4	15.1	1209.3	875.0	18.8	12.7	142.8	9.0	-5.4	7.2	303.3	332.9	10.8	61.1	1.2	287
4.6	17.2	1458.3	850.0	17.6	12.2	166.0	11.2	-2.7	10.9	304.6	333.7	10.6	70.4	2.1	306
5.6	19.5	1713.1	825.0	15.1	10.4	177.6	11.6	-0.5	11.6	304.6	331.2	9.7	73.3	2.7	318
6.8	21.6	1974.4	800.0	15.5	8.5	210.8	9.9	5.1	8.5	307.6	332.2	8.8	63.1	3.2	328
7.7	24.0	2243.7	775.0	14.7	4.1	229.0	9.9	7.4	6.4	309.7	328.7	6.7	48.9	3.4	337
8.7	26.3	2520.3	750.0	12.8	2.2	238.7	8.2	7.0	4.3	310.5	327.9	6.0	48.3	3.6	345
9.7	28.8	2803.9	725.0	10.2	1.0	240.0	7.9	6.8	3.9	310.7	327.3	5.7	52.9	3.7	353
10.9	31.4	3094.8	700.0	7.5	-0.6	247.5	6.9	5.6	2.3	310.8	326.2	5.7	56.5	3.9	359
12.9	34.1	3393.6	675.0	4.4	-1.7	267.1	4.5	4.5	0.2	310.6	325.2	5.0	64.2	4.0	4
13.2	36.6	3696.7	650.0	2.5	-4.6	271.8	6.9	6.0	-0.2	311.8	324.3	4.2	59.3	4.0	9
14.5	38.3	4016.2	625.0	0.7	-6.6	274.9	9.1	9.1	0.7	313.3	324.5	3.8	58.1	4.2	17
15.9	42.1	4343.2	600.0	-0.6	-17.0	269.2	9.1	9.1	0.1	315.5	323.8	1.7	27.5	4.5	26
17.1	45.1	4681.8	575.0	-3.5	-18.3	263.3	8.0	7.8	-1.8	315.9	323.9	1.6	20.4	4.8	33
18.5	48.3	5031.1	550.0	-6.7	-19.6	267.8	9.2	8.8	-2.8	316.1	323.8	1.5	25.1	5.0	41
19.8	51.1	5392.7	525.0	-9.0	-24.0	266.8	8.8	8.4	-2.5	317.5	321.1	1.0	28.4	5.4	48
21.7	54.4	5769.8	500.0	-10.3	-31.0	263.7	6.2	6.2	0.7	320.5	322.5	0.6	18.4	5.7	53
22.6	57.7	6162.4	475.0	-13.4	-32.6	240.4	7.0	6.1	3.6	321.4	323.2	0.5	18.0	6.3	55
24.1	61.3	6571.6	450.0	-16.2	-35.2	243.2	7.8	7.0	3.5	322.9	324.4	0.4	17.5	6.9	55
25.6	65.0	6999.4	425.0	-18.3	-37.8	243.1	10.0	9.3	2.6	325.5	326.7	0.3	16.1	7.6	56
27.2	68.7	7445.8	400.0	-21.6	-42.4	244.5	14.0	12.9	5.6	327.0	328.0	0.3	16.2	8.3	58
28.7	72.5	7821.6	375.0	-25.5	-43.2	255.3	14.5	14.0	3.7	327.9	328.6	0.2	17.2	10.2	59
30.5	76.8	8417.6	350.0	-29.8	-46.2	267.7	13.4	13.4	6.5	328.6	329.2	0.2	18.4	11.5	62
32.3	81.0	8940.8	325.0	-34.6	-48.1	263.2	12.1	12.0	1.4	329.1	329.5	0.1	21.0	12.7	65
34.2	84.7	9494.3	300.0	-39.8	-50.9	264.6	12.0	12.0	1.1	329.1	329.9	0.9	99.9	13.0	67
36.3	90.8	10082.6	275.0	-43.7	-57.9	256.1	9.9	9.6	2.4	330.6	329.9	0.9	99.9	15.4	69
38.2	95.8	10713.9	250.0	-49.1	-64.9	213.3	4.5	3.5	2.7	333.1	329.9	0.9	99.9	16.3	68
40.5	101.4	11396.8	225.0	-54.7	-69.9	224.1	5.5	3.8	2.6	334.8	329.9	0.9	99.9	16.6	68
42.8	107.7	12135.8	200.0	-56.6	-69.9	256.3	13.7	13.7	1.7	343.2	329.9	0.9	99.9	17.9	68
45.3	114.3	12991.1	175.0	-59.3	-92.9	275.8	23.8	23.6	-2.3	357.0	329.9	0.9	99.9	20.4	69
47.4	121.3	13955.5	150.0	-59.5	-99.9	278.3	24.7	24.4	-3.4	367.7	329.9	0.9	99.9	24.0	74
51.9	129.3	15104.5	125.0	-59.7	-99.9	271.8	17.4	17.4	-0.5	366.9	329.9	0.9	99.9	28.1	78
56.3	137.5	16514.9	100.0	-58.0	-99.9	275.7	8.6	8.0	-0.8	415.8	329.9	0.9	99.9	31.1	81
61.8	145.7	18324.7	75.0	-47.9	-99.9	317.2	6.5	4.4	-4.8	451.5	329.9	0.9	99.9	33.4	82
66.7	154.7	20913.1	50.0	-53.5	-99.9	53.4	2.4	-1.9	-1.4	517.5	329.9	0.9	99.9	33.2	84
83.2	164.0	25437.1	25.0	-45.5	-99.9	95.0	10.8	-10.7	1.1	653.0	329.9	0.9	99.9	26.7	85

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG
 * BY TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE 55 MAY 6 DEG

STATION NO. 744
BISMARCK, NORTH DAKOTA
11 JUNE 1976
2000 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEB PT DG C	OIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	F POT T DG K	MY RTG GM/KG	RM PCT	RANGE K4	AZ DG
0.2	11.6	503.0	940.1	33.3	14.4	80.0	4.1	-4.0	-0.7	311.9	343.1	11.0	32.0	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	13.0	648.4	925.0	31.1	9.5	83.6	8.8	-8.7	-1.0	311.1	334.2	8.1	30.5	0.3	26.1
1.3	15.4	892.9	900.0	28.4	9.4	76.3	8.5	-8.3	-1.6	310.8	334.3	8.3	30.5	0.7	26.1
2.1	17.7	1142.0	875.0	26.3	9.7	87.2	8.1	-8.3	-0.4	311.1	335.8	8.7	35.3	1.1	26.1
2.8	20.2	1396.3	850.0	23.4	9.4	97.8	9.7	-9.7	0.1	317.7	335.6	8.8	46.5	1.5	26.4
3.5	22.6	1656.1	825.0	21.3	9.3	91.5	9.2	-9.2	0.2	311.1	335.6	9.0	46.5	1.5	25.5
4.2	25.1	1921.8	800.0	18.8	8.6	86.7	8.5	-8.4	1.0	311.2	336.3	8.8	51.5	2.2	26.7
5.3	27.6	2153.6	775.0	15.7	8.1	110.3	9.2	-8.6	3.2	311.4	336.4	8.8	58.3	2.8	27.0
6.3	30.2	2471.8	750.0	12.7	7.3	118.3	9.8	-8.7	4.7	311.5	336.1	8.6	65.4	3.3	27.4
7.2	33.0	2756.8	725.0	11.0	6.6	126.8	12.2	-9.8	7.3	311.6	335.8	8.5	74.2	3.8	27.8
8.2	35.4	3049.8	700.0	10.0	4.6	143.0	15.1	-8.9	12.2	313.6	335.8	7.7	69.1	4.6	29.4
9.4	38.3	3351.7	675.0	8.2	1.2	141.2	15.3	-4.9	14.5	314.8	333.1	6.2	61.3	5.4	29.4
10.4	41.0	3662.5	650.0	6.1	-1.3	176.5	12.8	-0.8	12.8	315.9	331.8	5.4	58.8	5.9	30.6
11.4	44.0	3982.8	625.0	3.5	-4.7	183.0	12.1	0.6	12.1	316.5	330.0	4.5	54.9	6.3	30.6
12.3	47.0	4312.8	600.0	0.8	-6.8	182.5	12.8	0.6	12.8	317.1	328.8	3.5	56.7	6.7	31.1
13.3	50.2	4653.5	575.0	-2.1	-8.7	184.2	14.8	1.6	14.7	317.5	323.2	3.5	60.7	7.2	31.6
14.2	53.1	5005.2	550.0	-4.7	-12.2	190.5	16.2	2.9	15.9	318.6	327.1	2.7	55.5	7.7	32.2
15.2	56.1	5365.5	525.0	-7.7	-11.3	192.1	17.4	3.7	17.0	319.2	324.7	3.1	75.1	8.5	32.7
16.4	59.6	5747.2	500.0	-10.6	-15.3	199.3	19.5	6.5	18.4	320.1	327.5	2.3	68.6	9.4	33.3
17.7	63.0	6139.6	475.0	-13.6	-18.3	204.0	20.5	8.4	18.7	321.2	327.3	1.9	67.6	10.4	33.9
18.6	66.1	6548.3	450.0	-17.3	-20.4	203.6	20.6	8.2	18.8	321.5	326.9	1.7	74.1	11.5	34.4
20.1	69.7	6974.5	425.0	-20.0	-27.1	214.3	18.2	10.3	15.1	323.1	324.6	0.4	20.8	12.6	34.6
21.4	73.3	7429.5	400.0	-23.9	-44.1	222.6	18.5	13.5	12.7	324.0	324.3	0.1	10.8	13.5	35.4
22.7	77.3	7829.3	375.0	-27.3	-48.9	224.7	20.1	14.1	14.3	325.5	326.0	0.1	10.4	14.4	35.8
24.2	81.2	8381.4	350.0	-31.1	-52.2	214.4	20.6	12.9	14.1	326.0	327.2	0.1	10.3	15.8	3.
25.5	85.2	8902.1	325.0	-35.2	-54.8	210.4	17.9	9.1	15.5	328.2	328.4	0.1	11.3	17.2	6.
27.0	89.5	9455.2	300.0	-39.4	-57.9	199.4	15.6	5.2	14.8	329.9	333.1	0.0	11.8	18.6	7.
29.6	94.2	10045.6	275.0	-43.7	99.9	177.3	13.9	0.7	13.9	331.9	99.9	99.9	99.9	19.9	8.
30.1	98.8	10679.1	250.0	-48.8	99.9	177.3	13.9	-0.7	14.9	333.6	99.9	99.9	99.9	21.3	7.
31.7	103.8	11365.6	225.0	-52.6	99.9	201.2	13.3	4.8	12.4	337.9	99.9	99.9	99.9	22.6	7.
33.9	109.2	12121.9	200.0	-53.0	99.9	225.6	12.4	17.3	16.9	348.9	99.9	99.9	99.9	24.4	10.
36.3	114.8	12985.7	175.0	-52.7	99.9	228.2	22.0	21.6	19.3	363.0	99.9	99.9	99.9	26.1	13.
38.9	120.8	13975.9	150.0	-54.8	99.9	223.4	15.2	17.4	11.0	375.7	99.9	99.9	99.9	30.9	14.
42.4	127.3	15129.2	125.0	-58.3	99.9	245.7	12.9	11.8	5.3	389.5	99.9	99.9	99.9	37.3	21.
47.1	134.0	16530.8	100.0	-60.7	99.9	248.8	13.3	12.5	4.6	410.4	99.9	99.9	99.9	35.9	25.
52.4	140.7	18334.0	75.0	-56.3	99.9	191.6	5.2	1.0	5.1	450.7	99.9	99.9	99.9	37.7	23.
59.7	147.3	20913.9	50.0	-53.8	99.9	119.7	2.4	-2.1	1.2	515.0	99.9	99.9	99.9	38.1	23.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 748
GLASGOW, MONTANA

11 JUNE 1976
2001 GMT

149 13.0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.3	12.8	696.0	921.0	22.8	14.4	300.0	6.7	5.8	-7.3	303.0	331.6	11.3	59.0	0.0	0.
95.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	14.7	855.4	900.0	19.8	10.9	300.5	8.9	6.9	-5.7	301.9	325.9	9.2	56.3	0.4	137.
2.1	16.7	1137.5	875.0	17.6	10.3	320.2	8.3	4.3	-6.4	302.0	326.8	9.0	62.0	1.0	135.
3.1	19.0	1394.5	850.0	15.1	9.6	321.2	9.0	5.6	-7.0	302.0	326.3	8.9	69.5	1.5	137.
3.8	21.1	1637.0	825.0	12.8	9.8	321.1	7.8	4.9	-6.1	302.2	327.4	9.3	81.5	1.9	139.
4.9	23.4	1895.2	800.0	10.8	7.7	322.0	4.3	2.6	-3.4	302.7	325.4	8.3	81.0	2.3	139.
5.8	25.6	2160.4	775.0	10.6	3.2	313.8	1.8	1.3	-1.3	303.2	322.9	6.3	60.7	2.5	139.
6.8	28.0	2432.8	750.0	8.6	0.3	290.7	2.9	2.7	-1.0	303.9	327.9	5.2	45.7	2.6	138.
7.9	30.5	2713.5	725.0	8.4	-2.5	247.7	2.6	2.4	-1.0	308.7	321.6	4.4	46.2	2.7	135.
8.9	33.1	3002.8	700.0	7.7	-11.3	205.6	2.6	1.1	2.4	311.0	315.1	2.3	24.6	2.8	131.
10.0	35.5	3302.0	675.0	6.3	-11.4	153.6	6.6	-2.9	5.9	312.7	323.0	2.4	26.8	2.6	128.
11.0	38.1	3509.6	650.0	3.4	-11.8	151.4	9.9	-2.7	8.7	312.8	323.2	2.4	31.7	2.1	123.
12.0	40.7	3926.6	625.0	0.9	-8.3	155.9	10.2	-4.1	9.3	313.4	323.5	3.3	50.4	1.5	110.
13.0	43.3	4253.4	600.0	-1.8	-8.8	160.0	9.9	-2.5	8.6	314.1	324.1	3.3	58.8	1.3	91.
14.3	46.3	4590.6	575.0	-4.5	-13.2	165.1	12.5	-3.2	12.1	314.7	325.2	2.4	50.6	1.2	58.
15.4	49.2	4938.9	550.0	-7.6	-15.1	155.5	16.6	-2.2	15.1	315.1	321.8	2.2	54.9	1.9	27.
16.7	52.0	5298.9	525.0	-10.2	-34.7	171.8	14.3	-2.0	14.1	316.2	317.5	0.4	11.2	2.9	10.
18.0	55.1	5673.4	500.0	-12.7	-34.4	174.3	15.8	-0.2	15.8	317.6	319.0	0.4	14.2	4.0	7.
19.4	58.0	6062.4	475.0	-15.8	-35.6	182.0	19.0	0.7	19.0	318.4	319.8	0.4	16.3	5.5	5.
20.9	61.4	6467.7	450.0	-19.2	-35.9	186.9	23.7	3.8	23.5	319.1	320.5	0.4	21.4	7.5	5.
22.5	64.7	6890.2	425.0	-22.4	-33.0	189.2	26.4	3.7	26.1	320.2	322.2	0.6	27.3	9.9	6.
24.0	68.0	7331.5	400.0	-26.7	-33.4	188.0	28.7	4.0	28.5	320.6	322.3	0.6	52.4	12.4	6.
25.6	71.5	7794.3	375.0	-30.6	-36.3	190.0	27.9	4.4	27.5	321.1	322.7	0.4	57.0	15.1	6.
27.4	75.3	8280.4	350.0	-34.7	-39.3	190.3	30.6	5.5	30.1	322.0	323.2	0.3	59.3	18.2	7.
29.3	79.3	8793.5	325.0	-39.1	-44.2	191.2	31.1	6.0	30.5	322.9	323.7	0.2	57.6	21.6	8.
31.4	83.3	9337.4	300.0	-43.3	-49.9	193.6	31.7	7.8	30.3	324.4	324.4	0.9	59.9	25.8	8.
33.6	87.6	9917.7	275.0	-47.7	-49.9	197.4	33.7	10.1	32.2	326.1	327.9	0.9	59.9	32.2	9.
35.9	92.2	10540.7	250.0	-51.9	-49.9	197.4	34.8	11.4	32.8	328.9	328.9	0.9	59.9	35.0	11.
38.5	97.0	11224.9	225.0	-49.7	-49.9	203.4	26.8	10.7	24.6	342.4	342.4	0.9	59.9	39.3	12.
41.3	102.3	11994.2	200.0	-51.3	-49.9	196.1	21.0	5.8	21.2	351.5	351.5	0.9	59.9	43.4	13.
44.5	109.0	12866.4	175.0	-49.9	-49.9	202.8	23.1	9.0	21.3	360.3	360.3	0.9	59.9	46.0	13.
48.3	114.3	13572.7	150.0	-52.3	-49.9	212.1	19.1	10.2	16.3	370.0	370.0	0.9	59.9	51.9	15.
52.6	121.3	15053.7	125.0	-51.0	-49.9	210.8	12.0	6.1	10.3	402.6	402.6	0.9	59.9	55.4	16.
57.9	129.3	16485.4	100.0	-54.0	-49.9	223.0	14.4	9.8	10.5	415.7	415.7	0.9	59.9	59.2	17.
64.3	137.7	18304.0	75.0	-55.9	-49.9	165.6	6.1	-1.4	5.9	455.8	455.8	0.9	59.9	60.8	18.
73.2	146.5	20905.2	50.0	-52.7	-49.9	132.2	5.5	-2.1	3.7	520.4	520.4	0.9	59.9	62.5	16.
86.9	155.7	25459.0	25.0	-46.3	-49.9	95.8	8.1	-8.2	6.8	652.0	652.0	0.9	59.9	62.8	12.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 775
GREAT FALLS, MONTANA
11 JUNE 1976
2005 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCY	RANGE KM	AZ DG
0.0	16.4	1118.0	880.8	17.8	6.3	290.0	5.2	4.9	-1.8	301.7	323.7	6.9	47.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	13.3	3.4	304.5	5.5	4.5	-3.2	297.6	313.0	5.6	51.2	0.2	122.
0.3	17.0	1174.1	875.0	10.9	3.3	292.8	6.0	5.5	-2.3	297.4	313.1	5.7	59.9	0.5	120.
1.4	19.4	1417.1	857.0	8.2	2.4	285.2	4.7	4.5	-1.2	297.3	312.6	5.6	66.8	0.9	116.
2.4	21.6	1665.1	825.0	6.1	1.1	278.1	3.9	3.8	-0.5	297.7	312.0	5.2	70.1	1.1	114.
3.2	24.0	1918.5	800.0	3.9	1.6	280.9	3.9	3.8	-0.7	298.0	313.4	5.6	85.0	1.3	111.
4.1	26.2	2178.1	775.0	1.8	1.2	286.4	1.7	1.7	0.4	298.6	314.0	5.6	95.5	1.4	110.
5.1	28.8	2444.1	750.0	0.7	-0.3	296.0	5.2	2.5	4.6	309.3	314.7	5.2	92.8	1.5	104.
6.0	31.4	2717.5	725.0	0.2	-2.1	209.1	7.6	3.7	6.6	302.8	316.1	4.7	84.2	1.6	92.
6.8	34.1	2999.6	700.0	-0.8	-3.4	213.7	7.3	4.0	6.0	304.8	317.5	4.4	82.5	1.9	79.
7.9	36.6	3291.3	675.0	-1.7	-6.7	206.7	5.3	2.4	4.7	307.1	317.6	3.6	68.4	2.2	72.
8.9	39.4	3592.6	650.0	-4.0	-10.0	207.5	4.3	2.0	3.8	307.9	316.4	2.9	62.9	2.4	66.
10.0	42.0	3903.7	625.0	-6.6	-12.9	197.5	3.6	1.1	3.4	308.5	315.7	2.4	61.3	2.6	63.
11.2	45.0	4224.3	600.0	-7.8	-19.0	190.5	3.2	0.6	3.1	310.9	315.6	1.5	40.0	2.7	59.
12.3	48.0	4556.6	575.0	-10.2	-21.2	210.4	5.5	2.8	4.7	312.0	316.1	1.3	39.9	3.0	56.
13.5	50.8	4901.0	550.0	-13.5	-23.7	208.0	7.8	3.7	6.9	312.2	315.7	1.1	41.8	3.4	53.
14.7	54.0	5257.2	525.0	-14.2	-36.3	194.3	8.6	2.4	9.4	315.7	316.9	0.3	13.2	4.0	48.
15.9	57.0	5627.6	500.0	-17.3	-58.3	194.3	9.7	2.4	9.4	316.6	316.7	0.0	1.4	4.6	43.
17.2	60.4	6014.9	475.0	-20.7	-63.1	189.5	9.5	1.6	9.4	317.2	317.3	0.0	1.0	5.4	38.
18.7	63.9	6417.5	450.0	-24.3	-68.4	180.7	7.4	0.1	7.4	317.4	318.4	0.2	12.9	6.0	34.
20.2	67.2	6837.2	425.0	-28.4	-73.1	161.1	4.1	0.2	8.1	318.1	318.4	0.1	7.3	6.6	31.
21.6	70.8	7275.3	400.0	-32.2	-65.2	176.1	10.0	-0.7	10.0	319.0	319.0	0.0	2.2	7.6	27.
23.6	74.5	7734.2	375.0	-36.3	-64.7	164.9	7.8	-1.8	7.6	319.8	319.9	0.0	3.6	8.3	23.
25.4	78.5	8216.6	350.0	-40.1	-64.9	164.9	7.8	-1.8	7.6	321.4	319.9	99.9	99.9	8.9	20.
27.0	82.5	8726.9	325.0	-44.5	99.9	171.2	7.0	-1.1	6.9	322.6	319.9	99.9	99.9	9.5	19.
28.8	86.8	9268.3	300.0	-49.1	99.9	178.4	11.5	-0.3	11.5	324.2	319.9	99.9	99.9	10.5	17.
30.8	91.4	9845.1	275.0	-51.0	99.9	190.7	11.1	2.1	10.9	330.3	319.9	99.9	99.9	12.1	15.
32.9	96.2	10468.8	250.0	-50.2	99.9	181.3	9.6	0.2	9.6	341.5	319.9	99.9	99.9	13.5	14.
35.1	101.3	11154.7	225.0	-50.6	99.9	184.0	14.6	1.0	14.5	352.7	319.9	99.9	99.9	15.0	13.
37.6	107.0	11920.6	200.0	-52.1	99.9	198.3	16.5	5.2	15.7	363.7	319.9	99.9	99.9	17.6	13.
40.6	113.0	12786.8	175.0	-49.7	99.9	201.3	17.6	6.4	16.4	384.5	319.9	99.9	99.9	21.1	15.
43.9	119.5	13793.0	150.0	-48.5	99.9	199.5	11.8	3.8	11.1	407.2	319.9	99.9	99.9	24.6	17.
47.8	127.0	14991.6	125.0	-56.0	99.9	173.8	9.9	-1.1	9.9	419.6	319.9	99.9	99.9	28.3	14.
52.7	135.3	16440.0	100.0	-58.1	99.9	171.2	2.0	-0.3	2.0	451.2	319.9	99.9	99.9	29.9	14.
58.1	143.7	18259.5	75.0	-53.2	99.9	181.3	2.8	0.1	2.8	518.2	319.9	99.9	99.9	32.1	11.
65.6	153.0	20851.5	50.0	-47.0	99.9	88.1	7.1	-7.1	-0.2	649.7	319.9	99.9	99.9	33.4	8.
76.9	162.5	25364.1	25.0												

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC. ALABAMA

11 JUNE 1976
2035 GMT

TIME MIN	CNTCT	HEIGHT GP4	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX R TO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.0	180.0	991.8	31.7	12.0	240.0	1.0	0.9	0.5	305.6	333.4	8.9	30.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.0	8.5	332.5	975.0	28.0	15.5	160.9	0.9	-0.3	0.8	303.3	334.3	11.4	46.5	0.1	22.
2.1	10.6	552.4	950.0	23.7	14.4	168.5	1.3	-0.3	1.2	303.3	333.1	10.9	49.6	0.1	1.
3.3	12.7	796.4	925.0	21.5	13.2	216.0	1.4	0.7	1.2	303.4	331.8	10.4	52.3	0.2	2.
4.4	15.0	1035.0	900.0	21.5	12.3	228.2	1.6	1.2	1.1	303.7	331.3	10.1	55.8	0.3	14.
5.6	17.1	1278.9	875.0	18.2	11.4	235.4	1.4	1.2	0.7	303.8	330.5	9.7	60.4	0.4	25.
6.3	19.5	1527.4	850.0	16.5	10.4	238.8	1.6	1.3	1.0	303.4	329.1	9.4	67.1	0.5	31.
7.9	21.7	1781.2	825.0	14.4	9.9	225.6	1.5	1.1	0.9	303.9	327.6	9.4	74.4	0.6	35.
9.2	24.1	2040.8	800.0	12.1	9.9	215.9	1.3	0.7	1.1	304.1	325.6	9.6	86.0	0.7	36.
10.2	26.4	2306.8	775.0	10.8	8.3	203.8	0.8	0.3	0.7	305.4	323.1	8.9	84.6	0.7	35.
11.2	29.0	2580.2	750.0	9.4	6.1	217.4	1.3	0.7	1.1	305.8	320.0	7.9	79.5	0.8	35.
12.4	31.7	2861.3	725.0	7.4	5.1	222.9	1.4	0.9	1.0	307.6	323.3	7.7	85.3	0.9	35.
13.5	34.3	3149.7	700.0	5.3	-0.6	241.3	1.7	1.6	0.3	308.4	323.6	5.2	66.1	1.0	37.
14.8	36.8	3466.2	675.0	4.2	-18.4	281.3	1.7	1.6	-0.3	310.4	314.7	1.4	17.8	1.0	39.
16.1	39.6	3752.9	650.0	3.1	-10.8	290.2	3.4	3.2	-1.2	312.5	320.4	2.6	35.2	1.1	49.
17.5	42.2	4069.6	625.0	0.9	99.9	288.7	4.8	4.6	-1.2	313.5	999.9	99.9	99.9	1.3	62.
19.4	45.1	4394.9	600.0	-1.5	-14.7	294.5	4.8	4.4	-2.0	314.4	322.7	2.0	35.6	1.8	76.
21.0	48.3	4732.9	575.0	-3.2	-17.3	273.5	4.8	4.4	-0.3	316.3	321.7	1.7	32.4	2.2	82.
22.3	51.0	5083.7	550.0	-4.4	-24.4	250.7	3.8	7.6	1.2	318.9	322.1	1.0	19.1	2.5	82.
23.8	54.3	5448.5	525.0	-7.0	-27.2	229.9	4.0	3.0	2.6	320.0	322.6	0.8	19.1	2.8	79.
25.5	57.3	5827.7	500.0	-9.1	-24.1	245.0	5.3	4.8	2.3	321.9	325.6	1.1	29.0	3.3	76.
26.9	60.6	6223.6	475.0	-10.7	-20.5	255.5	5.1	4.9	1.3	324.7	323.9	1.6	44.5	3.7	75.
28.8	64.1	6637.3	450.0	-13.7	-22.4	264.7	5.9	5.9	0.3	326.0	320.7	1.4	47.7	4.3	76.
30.5	67.5	7069.7	425.0	-16.6	-24.1	268.3	6.7	6.7	0.2	327.7	322.0	1.3	52.4	5.0	79.
32.4	71.0	7522.0	400.0	-20.3	-29.1	266.5	6.9	6.9	0.4	328.4	321.6	0.9	45.0	5.7	79.
34.3	74.8	7997.1	375.0	-23.5	-37.0	258.7	5.7	5.6	1.1	330.5	332.0	0.4	27.4	6.5	79.
36.2	78.8	8456.9	350.0	-28.1	-37.2	238.9	5.2	4.4	2.7	330.9	332.5	0.4	41.1	7.1	79.
38.3	82.8	9023.7	325.0	-32.6	-43.2	258.3	5.6	5.4	1.5	331.8	332.6	0.2	26.8	7.7	77.
40.5	87.2	9582.9	300.0	-36.3	-51.7	278.1	7.4	7.0	-2.3	334.2	334.6	0.1	18.5	8.4	79.
42.8	91.8	10182.4	275.0	-39.5	-51.8	278.3	11.7	11.6	-1.2	335.0	334.4	0.1	19.9	9.6	82.
45.3	96.6	10827.3	250.0	-45.1	99.9	278.1	9.7	9.6	-1.4	335.0	999.9	99.9	99.9	11.3	84.
48.0	101.8	11521.8	225.0	-51.3	99.9	273.4	12.9	12.9	-0.4	335.9	999.9	99.9	99.9	13.3	85.
50.5	107.5	12281.7	200.0	-54.1	99.9	267.1	16.0	16.0	0.8	347.0	999.9	99.9	99.9	15.4	86.
53.2	113.5	13134.2	175.0	-57.2	99.9	273.0	18.9	18.9	-1.0	355.5	999.9	99.9	99.9	18.2	87.
56.3	120.3	14095.2	150.0	-62.3	99.9	267.3	16.9	16.9	0.9	365.8	999.9	99.9	99.9	21.4	87.
59.7	127.7	15210.4	125.0	-67.1	99.9	231.4	10.7	10.4	-2.1	371.4	999.9	99.9	99.9	24.1	88.
64.0	136.3	16562.8	100.0	-66.3	99.9	261.2	6.6	6.5	1.0	390.7	999.9	99.9	99.9	25.9	88.
69.3	145.0	18310.4	75.0	-63.4	99.9	295.2	2.7	2.5	-1.2	407.0	999.9	99.9	99.9	29.7	88.
99.9	99.9	99.9	53.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 77001
UNIV. OF TENNESSEE11 JUNE 1976
2332 GMT

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TIME MIN	CNTCT	HEIGHT GPM	PRES MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RYO GM/KG	RH PCT	RANGE AZ KM	DG
0.0	7.3	300.0	977.3	30.8	-17.8	0.0	0.0	0.0	0.0	306.0	342.3	13.3	46.0	0.0	0.
0.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	7.5	321.1	975.0	30.2	18.4	323.4	0.6	0.4	-0.5	305.6	343.2	13.8	49.6	0.0	37.
1.1	9.6	532.2	950.0	26.3	17.8	321.8	2.4	1.5	-1.1	303.9	340.8	13.7	50.7	0.1	140.
2.3	11.5	786.9	925.0	23.6	15.8	299.6	2.4	2.1	-1.1	303.5	336.8	12.3	61.5	0.3	135.
3.4	13.7	1025.6	900.0	21.4	14.1	292.8	3.0	2.7	-1.2	303.5	334.4	11.4	63.3	0.5	128.
4.4	15.7	1269.6	875.0	19.2	12.4	289.6	2.0	2.7	-1.0	303.7	333.0	10.7	66.7	0.6	124.
5.3	17.8	1518.3	850.0	16.9	11.5	297.5	2.6	2.3	-1.2	303.9	331.6	10.1	70.8	0.8	121.
6.3	20.1	1772.4	825.0	14.4	10.3	296.7	2.7	2.4	-1.2	303.9	330.2	9.6	76.5	0.9	121.
7.3	22.2	2021.9	800.0	12.4	7.8	288.8	2.4	2.3	-0.8	304.4	327.6	8.4	71.8	1.1	125.
8.3	24.6	2297.9	775.0	10.6	7.0	244.8	3.3	3.0	1.4	305.2	328.0	8.2	78.4	1.2	116.
9.5	26.8	2570.7	750.0	8.2	5.2	230.6	3.6	2.8	2.3	306.7	324.3	7.4	81.1	1.4	106.
10.5	29.3	2850.4	725.0	6.6	3.8	245.0	3.2	2.9	1.3	306.7	326.4	7.0	82.5	1.5	99.
11.6	31.8	3136.5	700.0	6.4	-5.4	302.5	3.4	2.9	-1.9	309.5	321.5	3.7	43.0	1.7	98.
12.8	34.4	3436.6	675.0	5.1	-5.7	339.2	4.7	1.7	-4.4	311.4	322.5	3.7	45.6	1.9	104.
14.1	36.8	3744.1	651.0	3.6	-7.0	354.9	5.1	0.4	-5.5	313.0	324.6	4.3	50.7	2.1	115.
15.3	39.6	4081.3	625.0	1.1	-10.6	358.3	6.4	0.2	-6.4	314.4	323.1	2.8	54.7	2.4	123.
16.4	42.1	4388.3	600.0	-1.5	-10.6	358.3	6.4	0.2	-6.4	315.2	323.6	2.7	55.8	2.7	131.
17.6	45.0	4726.0	575.0	-4.1	-11.6	347.7	7.1	1.5	-6.9	317.3	326.7	3.0	67.4	3.3	142.
18.6	47.9	5075.7	550.0	-5.8	-10.8	347.7	7.1	1.5	-6.9	320.2	326.1	1.8	42.6	3.9	145.
20.1	50.8	5480.1	525.0	-6.9	-17.5	328.9	6.5	3.3	-5.5	321.5	326.9	1.7	45.2	4.5	144.
21.5	53.9	5819.1	500.0	-9.5	-19.2	315.1	7.7	5.0	-5.8	323.7	326.9	2.1	65.5	5.1	144.
22.9	56.9	6214.1	475.0	-11.5	-17.1	333.6	6.8	3.0	-6.1	323.7	329.5	1.6	53.4	5.6	145.
24.3	60.3	6627.6	451.0	-13.6	-20.6	346.1	6.0	1.4	-5.9	326.2	331.7	1.2	45.4	6.1	148.
25.8	63.7	7060.8	425.0	-15.8	-24.9	346.9	7.7	0.4	-7.7	328.7	332.7	1.4	67.6	6.8	152.
27.4	67.1	7514.5	400.0	-19.7	-24.1	358.0	8.6	0.3	-8.8	329.4	334.0	1.4	52.4	7.7	154.
29.0	70.8	7991.0	375.0	-23.0	-29.7	346.3	10.3	2.5	-10.0	331.2	334.3	0.9	57.5	8.7	155.
30.7	74.7	8492.5	350.0	-27.0	-34.1	339.5	10.0	3.5	-9.4	332.4	334.5	0.6	57.5	9.9	156.
32.6	79.0	9021.7	325.0	-31.5	-38.8	344.9	10.2	2.7	-9.8	333.2	334.7	0.4	43.7	11.1	157.
34.5	83.2	9582.5	300.0	-36.3	-44.2	344.3	11.0	2.0	-10.9	334.2	335.1	0.2	90.9	12.2	158.
36.2	87.6	10182.2	275.0	-40.0	99.9	355.6	11.4	0.9	-11.4	337.3	999.9	99.9	99.9	13.6	160.
38.1	92.6	10828.5	250.0	-43.7	99.9	350.3	15.2	2.6	-15.9	341.1	999.9	99.9	99.9	15.7	161.
40.2	97.6	11528.0	225.0	-49.4	99.9	350.5	17.4	2.0	-17.2	346.3	999.9	99.9	99.9	17.9	163.
42.5	103.3	12289.7	200.0	-53.6	99.9	350.5	20.2	4.7	-19.6	355.1	999.9	99.9	99.9	21.3	163.
45.1	109.8	13138.6	175.0	-57.5	99.9	346.5	24.0	5.5	-23.7	365.4	999.9	99.9	99.9	24.5	164.
47.7	114.3	14102.4	150.0	-60.8	99.9	346.2	17.8	1.2	-17.7	376.6	999.9	99.9	99.9	28.5	165.
50.8	124.3	15222.7	125.0	-65.4	99.9	346.6	10.3	2.6	-10.0	402.8	999.9	99.9	99.9	31.9	166.
54.7	133.0	16589.9	100.0	-64.7	99.9	349.6	0.9	0.2	-0.9	437.3	999.9	99.9	99.9	31.9	166.
59.8	142.0	18341.6	75.0	-64.7	99.9	44.9	4.8	-3.4	-3.4	505.3	999.9	99.9	99.9	32.3	167.
66.8	152.0	20865.6	50.0	-57.4	99.9	75.7	6.8	-6.6	-1.7	646.4	999.9	99.9	99.9	32.0	174.
78.0	163.3	25340.4	25.0	-48.2	59.9	75.7	6.8	-6.6	-1.7	646.4	999.9	99.9	99.9	32.0	174.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

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12 June 1976

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STATION NO. 349
MONETT, MISSOURI11 JUNE 1976
2310 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	OIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MK RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.2	430.0	955.7	25.6	17.4	180.0	3.6	0.0	3.6	302.3	337.7	13.2	60.5	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	9.9	527.7	950.0	25.7	16.9	177.3	4.9	-0.2	4.9	303.3	338.0	12.9	58.1	0.2	355.
1.2	11.8	762.1	925.0	23.5	14.8	176.2	6.4	-0.4	6.3	303.3	338.7	11.5	56.1	0.5	355.
2.0	14.0	1000.9	900.0	21.6	14.1	179.1	8.0	-0.1	8.0	303.8	338.6	11.3	62.3	0.6	355.
2.7	13.9	1244.8	875.0	19.3	13.6	183.4	7.9	0.5	7.9	303.8	338.5	11.3	69.4	1.2	357.
3.4	16.1	1493.6	850.0	17.2	6.1	187.1	6.8	0.6	6.7	304.2	338.3	7.2	57.4	1.5	359.
4.5	20.3	1750.1	825.0	19.7	-0.2	178.3	7.2	-1.3	7.2	309.5	323.0	4.6	26.6	1.9	1.
5.4	22.5	2014.6	800.0	18.7	3.2	169.3	7.0	-1.3	6.8	311.1	328.7	6.1	34.7	2.3	359.
6.3	24.8	2286.1	775.0	16.9	2.7	185.5	5.3	0.5	5.2	312.0	329.5	6.0	38.5	2.6	359.
7.3	27.0	2564.8	750.0	15.3	3.3	189.7	3.6	0.6	3.6	313.2	332.2	6.5	44.6	2.9	359.
8.3	29.5	2851.3	725.0	12.9	2.8	224.3	1.9	1.4	1.4	313.6	332.6	6.5	50.2	3.0	0.
9.3	32.0	3145.2	700.0	10.7	2.4	272.6	2.3	2.3	-0.1	314.3	333.5	6.6	56.6	3.1	3.
10.2	34.6	3447.6	675.0	8.3	-0.2	284.3	3.1	3.0	-0.8	314.9	331.6	5.4	55.2	3.1	5.
11.4	36.9	3758.5	650.0	6.6	-4.1	314.8	4.6	3.3	-3.2	315.4	329.6	4.4	46.4	3.0	10.
12.6	39.7	4079.2	625.0	3.9	-6.5	324.4	5.9	2.8	-5.3	315.9	329.4	3.8	46.5	2.7	16.
13.8	42.2	4409.5	600.0	1.1	-7.4	344.4	5.5	1.5	-5.3	317.4	328.7	3.7	53.2	2.4	23.
15.0	45.1	4750.4	575.0	-2.0	-6.7	352.7	4.2	0.5	-4.2	317.7	329.0	4.0	59.8	2.7	28.
16.2	48.1	5103.0	550.0	-3.6	-13.1	355.4	3.0	1.3	-2.7	319.9	327.9	2.6	48.1	1.9	32.
17.5	50.9	5469.4	525.0	-4.4	-23.2	288.5	4.4	4.1	-1.4	323.1	327.1	1.2	23.3	1.9	40.
18.9	54.0	5832.3	500.0	-6.4	-26.2	284.4	6.7	6.5	-1.9	323.2	328.3	0.9	19.0	2.1	52.
20.3	57.0	6231.1	475.0	-9.1	-29.4	278.7	9.3	9.2	-1.4	326.7	329.2	0.7	17.2	2.6	63.
21.7	60.4	6667.8	450.0	-11.7	-30.6	264.3	11.2	10.9	-2.8	328.5	330.9	0.7	19.0	3.3	72.
23.3	63.9	7102.8	425.0	-15.3	-26.2	272.7	13.9	10.8	-0.5	329.4	331.0	1.1	38.7	4.3	80.
24.8	67.3	7558.6	400.0	-17.4	-34.4	264.0	11.7	11.7	1.2	332.3	332.6	0.3	14.7	5.3	81.
26.5	70.9	8039.2	375.0	-20.9	-40.4	269.7	14.4	14.4	0.1	335.1	335.1	0.3	14.6	6.6	82.
28.3	74.7	8535.1	350.0	-24.9	-43.0	275.2	12.9	12.9	-1.2	338.3	336.2	0.2	16.5	8.1	84.
30.1	78.8	9078.3	325.0	-30.1	-46.1	280.5	13.7	13.5	-2.5	339.2	335.9	0.2	19.1	9.5	86.
32.1	82.8	9642.0	300.0	-35.0	-49.3	286.0	18.2	17.5	-5.0	339.1	339.6	0.1	21.3	11.2	89.
34.0	87.0	10243.5	275.0	-38.9	-52.4	284.8	27.1	26.2	-6.9	339.3	339.3	0.1	22.0	13.7	92.
36.4	91.8	10890.9	250.0	-43.8	-59.9	281.9	31.6	30.9	-6.5	341.0	339.9	99.9	99.9	18.0	94.
38.9	96.8	11593.5	225.0	-46.8	-66.8	283.2	31.6	30.8	-7.2	340.9	339.9	99.9	99.9	22.7	96.
41.7	102.0	12304.9	200.0	-52.3	-74.9	283.0	29.4	29.4	-12.5	337.0	339.9	99.9	99.9	27.8	98.
44.9	107.8	13218.1	175.0	-57.9	-84.9	284.4	33.7	31.9	-10.6	354.3	339.9	99.9	99.9	33.7	101.
48.2	114.0	14176.1	150.0	-64.2	-99.9	285.8	24.6	23.2	-8.3	355.5	339.9	99.9	99.9	39.4	102.
51.9	120.8	15279.7	125.0	-69.2	-99.9	296.1	21.4	19.3	-9.4	369.8	339.9	99.9	99.9	45.0	103.
56.2	126.3	16612.2	100.0	-71.4	-99.9	278.4	13.1	13.0	-1.9	389.9	339.9	99.9	99.9	48.5	104.
61.9	136.8	18350.2	75.0	-64.8	-99.9	285.3	2.3	2.2	-0.8	437.1	339.9	99.9	99.9	51.3	103.
69.7	145.5	20861.3	50.0	-57.8	-99.9	77.3	4.3	-4.2	-0.9	507.2	339.9	99.9	99.9	50.5	103.
81.6	155.0	25326.0	25.0	-48.3	-99.9	76.6	5.3	-5.2	-1.2	645.7	339.9	99.9	99.9	47.7	106.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO11 JUNE 1976
2300 GMT

TIME MIN	CMTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	8.5	298.0	975.3	30.0	15.3	250.0	4.1	3.9	1.4	305.3	336.3	11.3	41.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	8.5	300.8	975.0	30.0	15.4	250.8	4.2	4.0	1.4	305.4	336.5	11.4	41.1	0.0	3.0
0.7	10.8	533.1	950.0	29.0	15.6	261.0	7.3	7.2	1.1	304.6	339.2	11.8	44.1	0.5	65.0
1.7	13.2	770.3	925.0	27.5	15.0	262.0	8.6	8.5	1.2	307.4	339.6	11.7	46.5	0.9	73.0
2.5	15.6	1012.2	930.0	24.6	13.9	268.9	8.2	8.2	0.2	306.8	337.7	11.2	51.4	1.3	77.0
3.2	18.0	1257.9	875.0	21.9	12.7	272.3	8.4	8.4	-10.3	306.5	335.9	10.6	50.0	1.6	80.0
4.0	20.5	1509.0	850.0	19.4	11.8	276.6	8.5	8.4	-10.0	306.5	335.1	10.3	61.7	2.1	83.0
5.1	23.1	1765.1	825.0	16.5	11.0	286.9	9.1	7.7	-2.3	306.0	333.9	10.1	70.1	2.5	87.0
6.1	25.6	2026.9	800.0	14.3	11.0	295.2	9.2	8.4	-3.9	306.5	335.1	10.4	80.2	3.0	91.0
7.1	28.3	2294.8	775.0	12.1	9.7	309.1	8.6	6.7	-5.4	306.8	334.2	9.9	85.6	3.5	95.0
8.1	31.1	2569.5	750.0	10.7	5.2	325.2	9.2	5.3	-7.6	308.2	329.2	7.4	68.8	4.0	100.0
9.2	33.8	2851.5	725.0	8.8	2.6	343.7	9.0	2.5	-8.7	309.2	327.5	6.4	65.0	4.3	107.0
10.3	36.4	3141.9	700.0	8.7	-10.3	356.3	7.4	0.5	-7.4	312.1	319.9	2.5	25.3	4.6	113.0
11.5	39.4	3441.1	675.0	5.8	-9.7	356.4	8.0	0.5	-7.9	312.1	323.4	2.7	31.6	4.8	119.0
12.7	42.3	3748.6	650.0	3.3	-10.2	356.1	10.1	-0.3	-10.1	312.7	321.0	2.7	36.2	5.2	125.0
13.8	45.3	4065.4	625.0	0.7	-10.6	357.6	10.3	0.4	-10.3	313.3	321.7	2.7	42.4	5.6	131.0
14.9	48.4	4391.8	600.0	-1.8	-14.6	349.4	9.6	1.8	-9.4	314.0	320.5	2.1	36.9	6.1	135.0
16.1	51.4	4729.0	575.0	-3.6	-29.7	344.5	9.9	2.6	-9.5	315.7	317.6	0.6	11.0	6.7	139.0
17.5	54.7	5079.9	550.0	-4.3	-39.0	345.1	11.8	3.0	-11.4	319.0	320.9	0.6	11.3	7.5	141.0
19.0	57.9	5445.8	525.0	-5.5	-41.0	336.1	11.5	4.6	-10.5	321.8	323.5	0.2	4.1	8.6	144.0
20.4	61.3	5826.6	500.0	-8.1	-31.5	335.9	10.3	4.2	-9.4	323.2	325.2	0.6	13.3	9.5	145.0
22.1	65.0	6222.5	475.0	-11.3	-37.0	346.6	10.1	2.3	-9.8	324.0	325.2	0.3	9.7	10.4	146.0
23.7	68.4	6634.8	450.0	-14.7	-38.1	353.1	11.7	1.4	-11.6	324.8	325.9	0.3	11.5	11.3	148.0
25.4	72.0	7064.6	425.0	-18.0	-41.2	354.6	13.0	1.2	-12.9	325.9	326.8	0.2	11.0	12.5	151.0
27.0	75.8	7516.0	400.0	-20.1	-39.6	345.6	15.8	3.9	-15.3	328.9	330.0	0.3	15.6	13.6	153.0
28.7	80.0	7991.0	375.0	-23.9	-42.4	336.8	15.7	5.4	-14.7	330.0	333.9	0.2	16.1	15.5	154.0
30.4	83.8	8491.9	350.0	-27.4	-45.1	342.2	12.4	3.8	-11.8	331.8	332.5	0.2	16.5	16.9	155.0
32.3	88.0	9019.5	325.0	-32.2	-48.1	326.9	12.2	6.7	-10.2	332.3	332.9	0.1	18.7	18.3	155.0
34.6	92.6	9579.6	300.0	-36.5	-51.4	318.0	11.3	7.6	-8.4	333.9	334.3	0.1	10.5	19.9	158.0
37.0	97.2	10177.2	275.0	-41.2	-58.9	305.3	12.1	9.9	-6.9	335.5	999.9	99.9	999.9	21.4	152.0
39.5	102.0	10816.9	250.0	-46.8	-66.9	316.5	14.2	11.1	-11.7	336.4	999.9	99.9	999.9	23.3	150.0
42.1	107.3	11506.2	225.0	-52.6	-69.9	324.1	16.2	5.5	-13.1	337.9	999.9	99.9	999.9	25.9	149.0
45.1	112.8	12256.6	200.0	-58.5	-69.9	323.3	12.3	7.3	-9.8	340.2	999.9	99.9	999.9	28.4	149.0
48.2	118.8	13096.0	175.0	-58.6	-69.9	320.3	17.1	10.9	-13.1	353.2	999.9	99.9	999.9	31.0	148.0
51.7	125.3	14059.9	150.0	-59.4	-69.9	319.1	19.4	12.0	-13.9	367.7	999.9	99.9	999.9	35.1	147.0
55.6	132.0	15191.0	125.0	-62.5	-69.9	307.7	15.6	12.4	-9.5	381.8	999.9	99.9	999.9	38.8	146.0
60.3	139.0	16567.3	100.0	-63.9	-69.9	299.0	10.5	9.1	-5.1	404.4	999.9	99.9	999.9	41.7	145.0
66.7	146.0	18336.0	75.0	-62.1	-69.9	323.2	6.0	3.6	-4.8	442.6	999.9	99.9	999.9	44.7	144.0
75.4	153.7	20863.2	50.0	-57.9	-69.9	63.1	3.3	-3.0	-1.5	507.1	999.9	99.9	999.9	46.0	145.0
88.6	161.3	25359.7	25.0	-48.0	-69.9	68.2	7.7	-7.1	-2.9	647.2	999.9	99.9	999.9	45.5	151.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 433
SALEM, ILLINOIS

11 JUNE 1976
2300 GMT

161 14. 0

TIME MIN	ONCT	MFIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	7.0	175.0	989.6	30.7	17.7	200.3	7.7	2.6	7.2	304.8	349.2	13.1	45.0	0.0	0.
00.9	99.9	99.9	1000.0	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
0.4	8.4	307.9	975.0	28.7	16.8	187.5	6.9	0.9	6.8	304.1	337.9	12.5	45.5	0.2	9.
1.1	10.6	530.6	950.0	26.5	15.1	195.4	6.8	1.6	6.6	304.1	337.2	12.2	52.8	0.5	9.
2.0	12.9	773.3	925.0	24.2	15.0	217.7	7.2	4.4	5.7	304.1	336.0	11.7	55.5	0.8	17.
2.8	15.3	1012.8	900.0	22.0	14.1	225.0	6.0	4.3	4.3	304.2	335.2	11.4	60.9	1.1	24.
3.7	17.6	1257.1	875.0	20.0	13.5	232.4	4.8	3.8	2.9	304.6	335.2	11.2	66.3	1.4	29.
4.5	20.1	1506.6	850.0	17.6	12.4	262.6	3.0	3.0	0.4	304.6	334.0	10.7	71.3	1.5	33.
5.5	22.5	1761.6	825.0	16.1	9.3	276.7	1.3	1.3	-0.2	305.6	332.5	9.0	64.1	1.6	38.
6.5	25.1	2022.9	800.0	15.1	5.0	133.0	1.2	-0.9	0.8	307.2	325.7	6.9	50.8	1.6	37.
7.4	27.4	2292.3	775.0	15.3	1.8	144.3	1.0	-0.6	0.8	310.2	326.6	5.6	39.9	1.6	36.
8.3	30.1	2569.2	750.0	13.2	0.2	105.8	1.2	-1.2	0.3	310.9	326.1	5.2	41.0	1.6	33.
9.4	32.9	2853.1	725.0	10.7	-1.4	46.6	2.1	-1.6	-1.3	311.2	325.3	4.8	43.0	1.6	31.
10.2	35.3	3144.4	700.0	8.3	-7.9	49.1	3.0	-2.3	-2.0	311.7	321.0	3.1	30.9	1.4	30.
11.3	38.3	3443.5	675.0	6.5	-10.7	44.1	4.1	-2.8	-2.9	312.9	317.0	1.3	14.4	1.2	26.
12.2	41.0	3751.6	650.0	4.5	-25.5	23.7	5.1	-2.0	-4.7	315.7	316.5	0.7	9.1	1.0	22.
13.2	44.0	4069.9	625.0	2.6	-48.2	1.3	4.9	-0.1	-4.9	315.7	316.0	0.1	1.0	0.7	29.
14.3	47.0	4390.1	600.0	1.0	-42.4	335.1	4.5	1.9	-4.1	317.3	317.8	0.1	2.2	0.4	52.
15.3	50.1	4739.5	575.0	-1.3	-48.2	311.5	4.3	3.2	-2.9	316.4	319.1	0.2	3.0	0.6	84.
16.5	53.0	5091.8	550.0	-3.7	-43.2	299.5	3.6	3.2	-1.8	319.6	325.2	0.1	2.8	0.8	98.
17.7	56.1	5457.4	525.0	-6.1	-42.2	273.6	3.1	3.1	-0.2	321.1	321.7	0.2	3.8	1.0	100.
19.0	59.4	5837.3	500.0	-8.5	-43.3	247.4	4.1	3.8	1.6	322.7	323.3	0.2	4.0	1.3	96.
20.3	62.9	6232.8	475.0	-11.1	-41.1	266.2	5.0	4.6	2.0	324.3	325.1	0.2	6.3	1.6	87.
21.8	66.3	6646.5	450.0	-13.3	-47.9	295.6	5.4	4.9	-2.3	326.5	326.9	0.1	3.5	2.0	87.
23.2	70.0	7079.1	425.0	-16.3	-46.9	304.7	7.4	6.1	-4.2	329.0	328.5	0.1	5.1	2.5	95.
24.5	73.5	7532.5	400.0	-19.7	-40.8	316.4	8.8	6.1	-6.4	329.4	330.6	0.3	16.0	3.0	132.
26.1	77.5	8008.7	375.0	-23.0	-37.1	315.2	9.1	6.4	-6.5	331.2	332.7	0.4	26.0	3.8	110.
27.7	81.3	8510.1	350.0	-27.1	-40.0	301.5	9.9	8.5	-5.2	332.3	333.5	0.3	27.8	4.4	114.
29.3	85.6	9040.1	325.0	-30.9	-45.6	293.3	12.4	11.4	-4.9	334.0	334.8	0.2	22.0	5.7	114.
31.1	90.0	9601.6	300.0	-35.9	-43.1	306.7	16.3	13.1	-9.7	334.8	335.9	0.3	46.8	7.2	115.
32.9	94.8	10200.6	275.0	-40.8	90.9	306.3	18.7	15.1	-11.1	336.1	336.9	0.9	99.9	9.1	118.
35.0	99.6	10841.8	250.0	-46.3	90.9	310.1	21.7	16.6	-14.0	337.2	337.9	0.9	99.9	11.5	120.
37.1	104.8	11536.0	225.0	-49.8	90.9	304.9	20.3	16.7	-11.6	342.2	342.9	0.9	99.9	14.2	122.
39.4	110.4	12299.3	200.0	-53.9	90.9	311.6	26.4	19.9	-17.7	347.4	347.9	0.9	99.9	17.3	123.
42.0	116.3	13150.1	175.0	-57.6	90.9	316.8	31.2	21.4	-22.5	352.9	352.9	0.9	99.9	22.0	125.
44.9	123.0	14112.0	150.0	-63.1	90.9	322.5	18.6	11.3	-14.4	361.4	361.4	0.9	99.9	26.4	128.
48.5	130.3	15227.2	125.0	-64.0	90.9	297.4	16.8	14.9	-7.7	379.2	379.2	0.9	99.9	30.8	128.
52.8	138.0	16567.5	100.0	-64.6	90.9	291.5	11.5	10.7	-4.2	402.9	402.9	0.9	99.9	33.6	128.
58.2	145.7	18143.0	75.0	-64.4	90.9	310.6	3.7	2.8	-2.4	437.4	437.4	0.9	99.9	35.9	125.
68.9	154.3	20870.4	50.0	-57.6	90.9	64.4	2.9	-2.6	-1.3	507.9	507.9	0.9	99.9	35.6	126.
78.3	163.3	25369.6	25.0	-48.3	90.9	70.3	5.5	-5.2	-1.9	646.2	646.2	0.9	99.9	32.0	133.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
 DODGE CITY, KANSAS

 11 JUNE 1976
 2315 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	D/R DG	SPEED M/SEC	U COMP M/SEC	V CORP M/SEC	POT Y DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	13.0	791.0	912.5	35.0	14.3	160.0	12.4	-4.2	11.7	316.3	348.9	11.3	29.0	0.0	0.
00.9	90.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.9	90.9	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02.9	90.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03.9	90.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04.9	90.9	915.3	900.0	31.6	12.4	178.1	24.5	-0.8	24.5	314.0	343.0	10.1	31.1	0.4	0.
05.9	1.4	116.7	875.0	29.1	11.7	176.6	20.6	-1.2	20.6	314.0	342.4	9.9	34.1	1.5	358.
06.9	2.1	142.4	850.0	26.5	11.0	175.6	19.7	-1.5	19.6	314.0	341.9	9.8	37.8	2.4	357.
07.9	3.1	168.9	825.0	24.3	10.6	180.8	18.1	0.3	18.1	314.3	342.3	9.8	42.1	3.5	357.
08.9	4.0	243	1955.4	21.7	9.6	184.6	20.1	1.6	20.0	314.3	341.4	9.4	45.6	4.5	359.
09.9	20.6	2230.3	775.0	19.9	8.9	192.7	15.8	3.7	16.4	315.2	342.0	9.3	49.3	5.5	0.
10.9	29.2	2511.9	750.0	17.3	6.4	202.4	16.6	6.3	15.4	315.4	339.0	8.1	48.6	6.4	3.
11.9	31.8	2800.7	725.0	16.4	7.6	209.5	18.2	9.0	14.7	317.4	326.7	7.0	18.6	7.4	6.
12.9	34.4	3097.4	700.0	13.9	-10.1	210.0	19.3	9.4	13.1	317.9	325.8	6.4	17.9	8.4	9.
13.9	37.0	3402.2	675.0	11.3	-9.9	210.8	18.8	9.5	12.4	318.4	326.7	5.7	21.5	9.3	11.
14.9	39.0	3715.5	650.0	8.3	-8.7	213.2	18.3	10.1	11.6	318.4	327.9	5.1	29.0	10.4	13.
15.9	42.4	4038.2	625.0	5.3	-6.1	217.0	19.2	11.6	10.3	318.5	330.4	4.9	43.8	11.5	16.
16.9	45.4	4370.0	600.0	2.2	-5.2	224.5	19.0	13.3	9.5	318.7	330.9	4.0	53.7	12.6	19.
17.9	48.4	4711.9	575.0	-1.2	-8.6	233.7	19.0	15.3	8.5	318.5	329.3	3.5	57.2	13.7	21.
18.9	51.3	5044.6	550.0	-4.1	-12.0	238.5	19.6	16.7	7.6	319.3	329.0	2.8	52.9	14.8	24.
19.9	54.5	5429.6	525.0	-7.0	-21.5	239.9	19.2	14.7	6.6	320.0	324.3	1.3	30.6	16.0	27.
20.9	57.6	5808.4	500.0	-9.5	-35.5	233.2	18.2	11.4	5.6	321.5	322.8	0.4	9.8	17.3	29.
21.9	60.9	6202.5	475.0	-12.4	-59.7	224.3	17.8	12.4	4.7	322.6	323.6	0.3	8.5	18.6	31.
22.9	64.4	6614.5	450.0	-13.5	-71.2	220.2	22.0	14.2	3.8	326.3	324.5	0.6	21.2	20.4	32.
23.9	67.7	7047.5	425.0	-16.0	-55.7	219.8	21.5	13.8	3.0	328.5	328.7	0.0	1.7	22.6	33.
24.9	71.3	7501.0	400.0	-19.7	-47.0	222.5	23.0	15.4	2.1	329.4	330.1	0.2	9.4	24.5	35.
25.9	75.1	7976.7	375.0	-23.5	-39.5	229.8	23.3	17.8	1.5	330.5	333.7	0.9	60.5	26.1	36.
26.9	79.2	8477.0	350.0	-27.7	-32.8	231.3	28.7	22.4	0.7	331.4	333.9	0.7	61.2	28.4	38.
27.9	83.2	9003.6	325.0	-32.1	-35.7	229.9	32.0	24.5	0.6	332.4	334.4	0.6	70.6	31.1	37.
28.9	87.3	9566.7	300.0	-36.0	-39.3	224.1	32.2	22.4	0.4	334.6	336.2	0.4	71.6	34.3	38.
29.9	92.0	10144.7	275.0	-40.7	-44.7	227.9	35.0	26.0	0.3	336.3	339.5	0.4	99.9	38.3	39.
30.9	96.8	10808.1	250.0	-43.8	-47.7	234.1	44.9	36.4	0.3	340.9	339.9	0.3	99.9	43.4	40.
31.9	101.8	11510.7	225.0	-47.7	-49.9	236.8	37.1	31.0	0.3	345.5	339.9	0.3	99.9	49.3	42.
32.9	107.4	12281.2	200.0	-52.3	-52.3	243.3	53.3	47.6	0.3	350.0	339.9	0.3	99.9	55.4	44.
33.9	113.3	13135.1	175.0	-57.6	-57.6	243.0	47.8	42.9	0.3	354.8	339.9	0.3	99.9	61.4	46.
34.9	119.8	14097.7	150.0	-62.0	-62.0	246.7	30.4	29.3	0.3	363.3	339.9	0.3	99.9	69.1	48.
35.9	127.3	15212.2	125.0	-65.3	-65.3	249.9	23.0	16.3	0.3	376.7	339.9	0.3	99.9	75.3	49.
36.9	135.5	16537.7	100.0	-68.0	-68.0	257.7	23.3	22.8	0.3	396.5	339.9	0.3	99.9	81.5	50.
37.9	144.0	18286.3	75.0	-63.5	-63.5	261.1	2.0	0.1	0.3	439.8	339.9	0.3	99.9	85.4	50.
38.9	153.3	20821.5	50.0	-56.8	-56.8	47.0	2.0	-1.5	-1.4	509.8	339.9	0.3	99.9	85.3	49.
39.9	163.3	25201.2	25.0	-50.3	-50.3	82.9	4.2	-4.2	-0.5	640.4	339.9	0.3	99.9	92.0	48.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 56
TOPEKA, KANSAS
11 JUNE 1976
2340 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEN PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.6	8.1	268.0	973.2	32.2	19.4	190.0	8.2	1.4	8.1	307.7	345.7	13.8	44.0	0.0	0.
0.9	9.4	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	10.1	485.6	950.0	30.3	19.2	99.9	99.9	99.9	99.9	307.9	348.9	15.0	51.7	99.9	99.9
1.4	12.2	723.8	925.0	28.4	19.1	99.9	99.9	99.9	99.9	308.3	347.7	14.3	53.9	99.9	99.9
2.3	14.5	967.0	900.0	26.1	17.3	168.3	14.9	-3.0	14.6	308.4	346.9	14.0	58.2	1.3	7.
3.2	16.5	1214.3	875.0	22.5	13.6	178.1	14.4	-0.5	14.4	307.2	339.5	11.4	57.3	2.1	3.
4.2	18.9	1466.2	850.0	20.7	12.2	183.7	13.7	0.9	13.7	307.9	337.4	10.6	57.9	2.9	3.
5.2	21.0	1724.7	825.0	20.9	4.1	203.0	17.6	6.9	16.2	310.7	328.8	6.3	33.2	3.7	5.
6.3	23.5	1990.6	800.0	20.5	1.8	203.3	13.6	5.4	12.4	313.0	329.1	5.5	28.9	4.8	9.
7.4	25.8	2263.8	775.0	18.7	-2.0	214.8	14.4	4.2	11.8	314.0	332.6	5.6	32.1	3.6	12.
8.3	28.2	2544.0	750.0	16.7	-7.2	225.9	14.3	10.3	10.0	314.7	328.0	4.4	27.8	6.4	16.
9.3	30.8	2831.2	725.0	14.3	-7.2	237.8	14.2	11.2	7.3	315.1	324.5	3.1	26.7	7.4	20.
10.4	33.3	3126.3	700.0	12.4	-7.2	239.1	14.3	11.3	7.2	316.2	326.7	3.3	28.8	8.7	24.
11.6	35.8	3420.7	675.0	9.9	-7.4	237.4	13.4	9.1	6.1	317.4	326.8	3.1	30.7	9.7	31.
12.9	38.6	3741.8	650.0	7.4	-9.7	236.2	10.9	4.1	-1.1	317.7	327.5	3.2	37.5	9.3	33.
14.1	41.1	4063.2	625.0	4.6	-9.3	235.7	4.2	6.1	4.9	319.2	322.7	1.0	13.6	10.2	34.
15.4	44.0	4394.4	600.0	2.7	-22.4	231.3	7.9	4.3	4.1	320.0	322.5	0.7	10.7	10.7	35.
16.7	46.9	4736.8	575.0	0.0	-27.1	226.3	6.0	0.7	2.2	320.8	323.2	0.7	12.1	11.1	35.
18.1	50.0	5090.8	550.0	-2.7	-28.0	197.7	2.4	.0	0.7	322.0	324.0	0.5	12.7	11.1	35.
19.3	52.8	5457.6	525.0	-5.3	-32.4	233.5	1.2	.9	99.9	322.2	324.0	0.5	12.7	99.9	99.9
20.7	55.8	5838.2	500.0	-8.9	-33.9	99.9	99.9	.9	99.9	322.6	324.2	0.5	14.7	99.9	99.9
22.1	59.1	6232.6	475.0	-12.5	-33.9	99.9	99.9	.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
23.9	62.9	6599.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
25.9	66.9	6999.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
27.9	70.9	7399.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29.9	74.9	7799.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
31.9	78.9	8199.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
33.9	82.9	8599.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.9	86.9	8999.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.9	90.9	9399.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.9	94.9	9799.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
41.9	98.9	10199.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
43.9	102.9	10599.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
45.9	106.9	10999.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
47.9	110.9	11399.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
49.9	114.9	11799.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
51.9	118.9	12199.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
53.9	122.9	12599.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
55.9	126.9	12999.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
57.9	130.9	13399.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * W TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
DENVER, COLORADO

11 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX P/TO GM/KG	PH PCY	RANGE KM	AZ DG
0.0	20.8	1611.0	826.7	20.3	-4.9	220.3	12.3	4.6	7.9	318.5	329.5	3.2	11.0	7.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.9	23.1	1878.0	800.0	24.8	-5.9	218.6	16.6	10.4	13.0	317.1	325.8	2.8	13.4	1.8	41.
2.1	25.5	2154.3	775.0	21.7	-7.5	218.6	16.6	10.4	13.0	317.1	325.8	2.8	13.4	1.8	41.
4.5	27.8	2436.2	750.0	18.4	-10.4	213.5	14.5	8.0	12.1	316.6	323.9	2.3	15.2	5.7	39.
6.3	30.3	2724.8	725.0	15.6	-10.8	209.5	13.6	6.7	11.9	316.3	322.9	2.1	16.3	6.9	37.
7.7	33.0	3020.4	700.0	12.4	-12.4	209.4	17.0	8.4	14.6	316.0	322.8	1.9	17.2	8.1	36.
8.9	35.5	3323.9	675.0	9.8	-13.9	209.4	17.0	8.4	14.6	316.0	322.8	1.9	17.2	8.1	36.
10.2	39.1	3635.5	650.0	7.2	-15.0	209.4	14.5	7.2	12.6	317.2	323.0	1.8	18.7	9.2	35.
11.2	40.7	3946.1	625.0	4.1	-17.5	207.8	15.2	7.3	13.5	317.2	322.1	1.5	18.9	10.1	35.
12.3	43.4	4255.8	600.0	0.9	-19.2	205.5	14.0	6.1	12.6	317.1	321.6	1.4	20.5	11.0	34.
13.2	46.4	4625.5	575.0	-2.6	-20.4	204.2	11.6	4.7	10.5	316.9	321.2	1.3	23.9	11.8	33.
14.3	49.4	5075.7	550.0	-6.1	-21.7	205.5	11.4	4.9	10.3	316.9	320.8	1.2	27.7	12.4	32.
15.2	52.3	5337.4	525.0	-9.6	-23.7	208.0	12.3	5.8	10.9	316.9	320.5	1.1	30.5	13.1	32.
16.3	55.3	5711.9	500.0	-13.0	-25.9	208.0	12.0	5.4	10.6	317.2	320.2	0.9	32.0	13.9	32.
17.6	58.4	6100.4	475.0	-16.6	-27.9	213.5	11.2	6.2	9.4	317.5	320.2	0.8	36.5	14.8	32.
18.9	61.8	6503.8	450.0	-20.6	-29.5	214.7	13.1	7.4	10.8	317.3	319.8	0.7	44.6	15.7	32.
20.3	65.2	6923.1	425.0	-24.9	-31.2	220.5	14.7	9.6	11.2	317.1	319.4	0.7	55.4	16.8	32.
21.6	68.6	7361.4	400.0	-28.3	-33.1	223.7	20.5	14.1	14.8	318.2	320.2	0.6	62.9	18.2	32.
23.4	72.1	7820.6	375.0	-32.2	-39.5	224.2	31.4	21.8	22.5	319.1	320.2	0.3	47.4	20.8	32.
25.2	76.1	8305.7	350.0	-33.7	-47.8	210.8	19.8	27.4	34.2	323.7	323.8	0.1	22.4	24.8	36.
26.5	80.0	8822.8	325.0	-36.2	-51.5	205.3	43.7	19.2	40.6	326.8	327.2	0.1	18.8	28.2	35.
28.5	84.0	9375.8	300.0	-39.4	-54.7	208.4	43.7	20.8	38.5	329.8	332.1	0.1	17.7	34.0	33.
30.9	88.2	9966.3	275.0	-43.5	99.9	211.4	41.1	21.4	35.1	332.2	999.9	99.9	999.9	39.7	33.
32.9	93.0	10603.2	250.0	-46.2	99.9	207.2	33.1	15.1	29.4	337.6	999.9	99.9	999.9	44.5	33.
35.1	98.0	11298.2	225.0	-48.5	99.9	216.8	36.6	21.9	29.3	344.3	999.9	99.9	999.9	48.4	32.
37.6	103.3	12074.8	200.0	-49.1	99.9	225.4	37.8	26.9	28.5	355.1	999.9	99.9	999.9	53.8	32.
40.3	109.3	12947.5	175.0	-51.5	99.9	219.1	31.2	19.2	24.6	365.0	999.9	99.9	999.9	58.7	36.
43.3	115.5	13940.8	150.0	-55.4	99.9	211.3	32.7	17.0	27.4	374.7	999.9	99.9	999.9	64.9	34.
47.0	122.7	15102.6	125.0	-53.7	99.9	212.5	16.8	9.0	14.2	397.9	999.9	99.9	999.9	70.1	34.
50.8	130.7	16510.5	100.0	-63.1	99.9	180.3	7.7	0.0	7.7	405.9	999.9	99.9	999.9	72.7	34.
56.1	139.3	18276.9	75.0	-60.7	99.9	153.9	3.2	-0.9	3.1	445.6	999.9	99.9	999.9	74.1	33.
63.4	148.0	20838.8	50.0	-54.5	99.9	134.7	4.0	-2.9	2.8	515.1	999.9	99.9	999.9	74.2	33.
74.0	157.0	25325.4	25.0	-47.3	99.9	54.3	10.2	-8.3	-8.0	648.7	999.9	99.9	999.9	71.1	30.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 476
GRAND JUNCTION, COLORADO12 JUNE 1976
12 GMT

TIME MIN	CHTCT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E-JOT T DG K	MAX RTG CM/SEC	RM PCT	RANGE KM	AZ DG
00	20.2	1472.0	845.3	22.2	-5.6	260.0	5.2	8.1	1.4	302.9	318.0	3.0	15.0	0.0	0
01	00.0	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	00.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	00.0	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	00.0	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05	00.0	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
06	00.0	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
07	00.0	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
08	00.0	1481.4	825.0	18.0	-1.4	270.0	11.6	11.6	0.0	308.5	322.7	4.2	25.4	0.5	85
09	21.9	1463.0	800.0	15.8	-3.3	262.3	11.4	11.3	1.6	308.0	319.1	3.8	26.7	1.2	86
10	24.4	1443.0	775.0	13.2	-4.6	265.4	10.9	10.8	0.9	308.1	318.4	3.5	28.5	2.1	85
11	26.7	1421.9	750.0	10.5	-8.2	254.7	10.8	10.6	1.9	308.7	318.3	2.7	25.8	2.8	86
12	28.3	1400.2	725.0	8.1	-9.4	250.6	10.2	10.0	1.8	308.4	318.2	2.6	27.7	3.5	83
13	31.9	1378.1	700.0	5.3	-8.0	253.1	10.6	10.1	3.4	308.3	318.0	2.8	35.8	4.1	82
14	34.7	1355.2	675.0	2.3	-8.1	256.1	9.5	9.2	2.3	308.4	318.9	2.8	42.0	4.8	81
15	37.2	1330.9	650.0	-0.3	-10.6	246.4	9.9	8.1	3.6	308.6	318.5	2.6	49.4	5.4	80
16	40.0	1305.4	625.0	-3.4	-12.4	236.2	10.1	8.4	5.4	308.6	318.7	2.4	49.4	5.9	78
17	42.8	1287.9	600.0	-6.1	-14.8	230.9	11.3	8.7	7.1	308.1	318.3	2.0	49.8	6.6	76
18	45.6	1267.9	575.0	-9.3	-18.0	225.5	12.9	9.2	9.0	309.1	318.1	1.6	49.0	7.3	73
19	48.8	1241.1	550.0	-12.2	-20.3	220.9	13.8	9.9	9.6	309.6	318.0	1.4	50.0	8.3	69
20	51.6	1216.2	525.0	-15.1	-23.2	214.8	13.5	11.0	7.8	310.3	313.9	1.1	49.4	9.2	67
21	54.0	1191.7	500.0	-18.5	-26.0	207.8	12.8	11.9	4.8	310.5	313.0	0.8	42.8	10.1	66
22	57.9	1168.0	475.0	-21.8	-30.2	201.8	13.2	12.5	4.1	311.0	313.2	0.4	46.3	11.3	62
23	01.3	1145.1	450.0	-24.4	-33.0	204.7	13.4	12.9	3.5	312.6	314.4	0.5	44.3	12.5	60
24	04.7	1122.5	425.0	-27.2	-37.6	208.3	12.5	12.2	2.5	314.1	315.3	0.3	35.4	13.8	60
25	08.1	1100.1	400.0	-31.1	-41.8	203.0	12.0	11.9	1.5	314.6	315.5	0.2	33.8	14.9	60
26	11.7	1078.9	375.0	-34.9	-45.1	206.9	9.2	8.5	3.8	315.4	316.0	0.2	34.2	15.9	70
27	15.7	1057.9	350.0	-38.4	-48.8	240.6	11.0	9.6	5.4	317.0	317.4	0.1	32.1	16.7	60
28	19.7	1036.9	325.0	-43.0	-52.9	225.1	11.4	8.1	8.0	317.4	999.9	99.9	99.9	17.7	60
29	23.7	1015.9	300.0	-47.6	-56.9	209.3	12.0	7.9	10.5	318.2	999.9	99.9	99.9	18.8	60
30	27.8	995.3	275.0	-51.6	-60.9	237.8	18.0	15.3	9.6	329.1	999.9	99.9	99.9	20.3	60
31	31.9	974.9	250.0	-55.6	-64.9	234.9	21.4	17.5	12.3	344.2	999.9	99.9	99.9	23.2	60
32	36.0	954.9	225.0	-60.5	-69.9	229.1	25.2	19.1	16.5	350.4	999.9	99.9	99.9	26.2	60
33	40.1	934.9	200.0	-64.1	-74.9	224.7	21.8	15.4	17.5	363.0	999.9	99.9	99.9	30.0	61
34	44.2	914.9	175.0	-67.9	-79.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35	48.3	894.9	150.0	-71.9	-84.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36	52.4	874.9	125.0	-75.9	-89.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37	56.5	854.9	100.0	-79.9	-94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38	60.6	834.9	75.0	-83.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39	64.7	814.9	50.0	-87.9	-104.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40	68.8	794.9	25.0	-91.9	-109.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS11 JUNE 1976
2300 GMT

TIME MIN	CNCT	WEIGHT GPM	FRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCY	RANGE KM	AZ DG
0.0	7.2	202.0	964.8	32.2	17.7	190.2	4.1	0.7	4.0	306.7	342.4	13.0	42.0	0.0	0
0.0	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.2	6.0	201.9	975.0	31.0	15.8	197.2	6.2	1.8	5.9	306.4	338.4	11.7	39.8	0.2	12
1.1	10.2	524.0	950.0	28.6	14.4	197.5	7.4	2.2	7.0	306.3	335.5	11.0	41.9	0.5	15
2.0	12.4	760.4	925.0	26.6	14.1	196.7	7.1	2.1	6.8	306.6	337.0	11.1	46.2	0.0	16
2.9	14.7	1201.8	900.0	24.4	14.0	200.8	7.0	2.5	6.5	306.4	337.7	11.7	52.4	1.2	17
3.8	17.0	1247.8	875.0	21.9	13.1	203.1	7.9	3.1	7.2	306.4	336.5	10.9	57.9	1.6	18
4.8	19.4	1499.0	850.0	19.6	12.2	211.3	8.3	4.3	7.1	306.7	336.1	10.6	62.2	2.1	20
5.8	21.7	1755.9	825.0	18.3	9.3	226.6	8.2	5.9	5.6	305.0	333.2	9.0	55.7	2.6	23
6.9	24.2	2019.3	800.0	17.1	6.2	242.5	6.5	5.7	3.0	309.4	332.7	7.5	48.8	3.6	28
7.7	26.5	2289.9	775.0	15.5	7.6	239.6	4.8	4.1	2.4	310.4	334.6	8.5	59.5	3.2	31
8.7	29.2	2597.4	750.0	13.4	4.9	241.3	3.8	3.3	1.8	311.2	331.9	7.2	55.8	3.4	33
9.7	32.0	2852.1	725.0	11.3	0.7	243.5	2.6	2.4	1.2	311.8	329.1	5.6	48.7	3.6	34
10.7	34.8	3144.4	700.0	9.0	-1.5	255.8	2.6	2.5	0.6	312.5	327.0	4.9	47.6	3.7	35
11.8	37.3	3444.7	675.0	7.0	-7.9	264.3	3.3	3.2	-0.8	313.5	323.2	3.2	34.0	3.9	38
12.9	40.2	3753.6	650.0	4.8	-17.2	274.8	3.0	2.1	-2.1	314.4	319.6	0.7	13.4	4.2	50
14.1	42.9	4071.5	625.0	2.3	-26.6	282.7	2.8	2.4	-1.5	315.1	317.4	0.7	9.5	3.9	41
15.2	46.0	4399.2	600.0	-0.5	-32.3	297.8	3.6	3.5	-0.5	315.6	317.0	0.4	6.8	4.0	47
16.4	49.1	4738.2	575.0	-2.5	-26.8	267.5	5.6	5.6	0.2	317.1	319.6	0.7	13.4	4.2	50
17.7	52.0	5099.3	550.0	-4.7	-23.9	272.3	7.4	7.4	0.4	321.0	322.6	1.0	20.4	4.6	54
19.1	55.3	5454.3	525.0	-6.2	-32.4	267.3	8.6	8.6	0.6	321.5	321.8	0.5	10.4	5.2	58
20.5	58.6	5834.1	500.0	-8.4	-40.3	260.4	7.9	7.9	1.3	322.8	323.6	0.2	5.5	5.8	51
21.9	62.0	6229.8	475.0	-11.5	-43.9	268.3	7.6	7.6	0.2	323.8	324.4	0.2	4.8	6.5	63
23.4	65.6	6643.0	450.0	-13.7	-54.9	293.1	8.1	7.5	-3.2	326.1	326.3	0.0	1.6	7.0	67
24.9	69.3	7074.3	425.0	-17.5	-53.9	334.3	8.0	6.5	-4.7	326.6	326.8	0.1	2.5	7.4	71
26.5	72.9	7525.3	400.0	-20.0	-40.9	291.4	10.0	9.3	-3.7	328.9	332.0	0.1	14.5	8.0	76
28.2	77.0	8001.8	375.0	-22.6	-40.6	301.2	10.2	8.7	-5.3	331.7	332.9	0.3	17.4	9.0	80
30.7	81.0	8504.2	350.0	-26.8	-42.7	320.5	11.8	7.5	-9.1	332.6	333.6	0.2	25.4	9.6	85
31.6	83.3	9034.0	325.0	-31.3	-41.0	307.0	13.1	10.5	-7.9	333.5	334.7	0.3	37.8	10.4	90
33.4	89.8	9595.5	300.0	-35.9	-40.2	289.2	18.1	17.1	-5.9	334.8	336.2	0.4	64.0	11.9	94
35.5	94.7	10193.5	275.0	-41.2	99.9	296.3	18.4	16.4	-8.3	335.6	999.9	99.9	999.9	14.4	97
37.8	99.6	10834.0	250.0	-45.5	97.9	291.4	16.0	14.0	-5.8	338.4	999.9	99.9	999.9	16.5	99
40.3	104.8	11529.9	225.0	-50.2	97.9	295.1	19.3	17.5	-8.2	341.5	999.9	99.9	999.9	19.1	101
43.0	110.4	12292.6	200.0	-53.5	99.9	296.0	19.2	17.3	-8.5	348.1	999.9	99.9	999.9	22.1	103
45.0	116.0	13143.1	175.0	-57.7	99.9	303.2	28.4	23.8	-15.5	354.6	999.9	99.9	999.9	26.2	106
49.3	122.8	14105.6	150.0	-62.9	99.9	294.5	18.4	16.0	-9.1	361.8	999.9	99.9	999.9	30.8	109
53.2	129.3	15273.6	125.0	-62.4	99.9	294.9	13.5	18.8	-5.0	362.1	999.9	99.9	999.9	35.4	109
57.9	136.3	16593.5	100.0	-64.4	99.9	296.5	9.4	8.9	-4.4	407.4	999.9	99.9	999.9	39.2	109
63.8	142.8	18156.2	75.0	-63.1	99.9	280.2	3.5	3.4	-0.6	440.6	999.9	99.9	999.9	41.7	109
71.6	149.5	20898.9	50.0	-58.5	99.9	46.7	4.3	-4.0	-1.7	510.5	999.9	99.9	999.9	41.4	111
83.0	166.3	25397.7	25.0	-48.1	99.9	-0.5	5.0	-3.3	-3.8	646.9	999.9	99.9	999.9	30.6	115

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 ° C

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTER JAL-ED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 553
OMAHA, NEBRASKA11 JUNE 1976
2300 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPED M/SEC	U COMP W/SFC	V COMP W/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.0	400.0	954.5	33.3	17.0	180.0	8.8	0.0	8.9	310.6	346.6	13.0	38.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	10.3	442.9	950.0	33.0	16.7	179.6	10.7	-0.1	10.7	310.6	346.1	12.7	37.9	0.2	357.0
0.8	12.5	683.1	925.0	31.3	16.4	180.5	16.4	0.1	16.4	311.4	347.1	12.8	40.7	0.9	353.0
0.8	12.5	928.5	900.0	29.3	16.4	184.9	20.0	1.7	19.9	311.7	348.4	13.2	45.8	1.7	317.0
2.4	17.0	1178.5	875.0	26.5	15.4	189.7	20.3	3.4	20.0	311.3	346.8	12.7	50.7	2.8	2.0
3.2	19.5	1433.8	850.0	24.0	13.9	194.7	22.1	5.6	21.4	311.3	344.5	11.8	53.2	3.9	4.0
4.1	21.7	1694.6	825.0	22.3	12.1	206.0	22.1	9.7	19.9	312.1	342.8	10.9	52.6	5.0	8.0
5.1	24.2	1961.8	800.0	20.7	9.7	215.3	22.8	13.2	18.6	313.3	340.4	9.5	49.1	6.2	13.0
6.1	26.6	2235.4	775.0	18.8	4.2	227.7	22.4	16.6	15.1	314.0	333.9	8.8	38.6	7.4	18.0
7.1	29.1	2516.5	750.0	16.1	0.9	235.0	21.9	18.0	12.6	316.2	332.5	5.5	31.5	8.6	23.0
8.1	31.8	2805.9	725.0	16.8	-7.6	242.4	19.3	17.1	9.0	317.9	327.4	3.1	18.4	9.7	27.0
9.3	34.6	3103.3	700.0	14.7	-15.7	251.9	15.2	14.5	4.7	318.7	323.9	1.6	10.6	10.6	31.0
10.4	37.0	3408.9	675.0	12.2	-14.1	256.0	14.6	14.2	3.6	319.3	325.4	1.9	16.4	11.3	35.0
11.5	39.9	3723.2	650.0	9.2	-11.5	254.1	14.3	13.7	3.9	319.3	327.1	2.4	21.9	12.0	38.0
12.6	42.6	4046.4	625.0	6.4	-12.4	247.4	11.1	10.2	4.2	319.6	327.3	2.4	24.6	12.7	40.0
13.8	45.5	4379.4	600.0	3.3	-11.8	238.6	9.4	7.2	4.4	320.0	328.1	2.6	31.9	13.5	41.0
15.1	48.5	4722.5	575.0	0.1	-13.2	234.0	6.1	4.9	3.6	320.1	327.9	2.4	35.9	13.9	42.0
16.4	51.4	5076.7	550.0	-2.9	-13.8	229.3	6.2	4.7	4.0	320.5	328.2	1.4	42.9	14.4	42.0
17.8	54.6	5443.0	525.0	-6.2	-19.3	225.3	7.7	5.5	5.4	321.0	326.2	1.6	34.5	15.0	42.0
19.5	57.6	5823.5	500.0	-8.3	-30.7	211.3	10.6	5.5	9.1	323.0	325.0	0.6	14.3	15.9	42.0
20.9	61.0	6218.7	475.0	-12.0	-35.3	209.9	7.0	3.5	6.0	323.2	324.5	0.4	11.5	16.7	41.0
22.5	64.6	6629.7	450.0	-15.4	-41.7	203.5	6.9	6.1	3.1	323.8	324.6	0.2	6.4	17.3	41.0
24.0	67.9	7055.3	425.0	-17.7	-47.6	206.2	8.3	6.9	4.6	326.3	326.8	0.1	5.3	17.9	42.0
25.7	71.3	7510.1	400.0	-21.0	-49.9	227.0	9.9	8.3	5.4	327.7	328.0	0.1	5.4	18.6	43.0
27.4	75.2	7983.3	375.0	-24.5	-51.1	229.5	14.0	10.6	9.1	329.1	329.5	0.1	6.4	20.0	44.0
29.2	79.2	8481.7	350.0	-28.3	-51.2	231.1	17.4	13.6	10.9	330.7	331.0	0.1	6.0	21.7	44.0
31.2	83.2	9008.7	325.0	-32.3	-55.4	241.1	17.3	15.2	8.4	332.1	332.4	0.1	7.9	23.9	45.0
33.3	87.5	9569.0	300.0	-36.2	-57.8	245.5	20.3	18.5	8.4	334.3	334.5	0.0	8.6	25.9	46.0
35.1	92.0	10146.0	275.0	-41.2	-59.9	256.3	30.2	29.4	7.1	335.5	335.9	0.9	99.9	28.5	49.0
38.0	96.8	10808.2	250.0	-45.3	99.9	258.4	36.7	35.9	7.3	336.8	336.9	99.9	99.9	33.5	54.0
40.7	101.8	11505.4	225.0	-49.7	99.9	260.3	37.1	36.6	6.2	342.4	339.9	99.9	99.9	38.2	58.0
43.9	107.4	12289.8	200.0	-53.9	99.9	255.5	26.6	25.8	6.7	347.5	337.5	99.9	99.9	44.5	61.0
46.9	113.3	13119.4	175.0	-57.8	99.9	254.2	28.8	27.9	7.4	354.6	339.9	99.9	99.9	49.3	62.0
50.6	119.7	14083.7	150.0	-61.7	99.9	256.6	27.1	26.3	6.3	363.7	339.9	99.9	99.9	55.6	64.0
54.5	127.0	15204.8	125.0	-65.0	99.9	253.5	15.3	14.7	4.4	377.3	339.9	99.9	99.9	60.8	65.0
59.4	134.3	16565.3	100.0	-63.3	99.9	269.3	11.3	11.3	0.1	405.5	339.9	99.9	99.9	64.9	65.0
65.7	143.3	18331.7	75.0	-63.9	99.9	278.5	4.3	4.0	3.5	439.0	339.9	99.9	99.9	68.6	65.0
74.4	152.5	20878.5	50.0	-15.3	99.9	65.9	5.2	-4.8	-2.1	513.1	999.9	99.9	99.9	68.5	65.0
87.1	162.3	25371.9	25.0	-48.8	99.9	99.9	1.4	-1.3	0.2	644.8	999.9	99.9	99.9	63.7	64.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA
11 JUNE 1976
2315 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	14.6	847.0	900.8	35.0	11.4	190.3	10.3	1.8	10.1	317.5	345.1	9.5	24.0	0.0	0
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.0	14.7	855.1	900.0	35.1	11.8	191.7	11.6	2.4	11.4	317.7	346.0	9.7	24.5	0.1	3
1.0	16.6	1110.9	875.0	33.9	11.7	194.6	17.7	4.5	17.1	319.0	348.0	10.0	25.1	1.0	18
1.9	19.0	1372.0	850.0	31.6	9.7	193.3	18.7	4.3	18.2	319.3	345.6	9.0	25.9	1.9	16
2.8	21.1	1639.0	825.0	29.4	7.3	194.9	17.1	4.4	16.5	319.6	342.8	7.8	25.0	3.1	15
3.9	23.5	1911.7	800.0	26.6	5.1	195.0	18.2	4.7	17.5	319.5	340.2	6.9	25.3	4.2	15
4.9	25.8	2190.3	775.0	23.9	3.5	195.0	17.0	4.4	16.4	319.5	338.7	6.4	26.5	5.3	15
6.0	28.3	2475.2	750.0	20.8	1.1	197.8	16.0	4.9	15.2	319.2	335.9	5.5	26.8	6.3	15
7.0	30.8	2766.8	725.0	18.2	-0.6	197.6	17.7	5.4	16.9	319.4	334.8	5.1	27.9	7.3	16
8.0	33.4	3065.6	700.0	15.3	-2.7	196.9	17.6	5.1	16.8	319.4	333.1	4.5	29.2	8.4	16
9.1	35.9	3372.1	675.0	12.6	-4.7	196.0	18.1	5.0	17.6	319.8	332.1	4.0	29.5	9.5	16
10.1	38.6	3686.9	650.0	9.3	-6.9	195.9	17.3	4.7	16.7	319.5	330.4	3.5	31.3	10.7	16
11.4	41.1	4010.2	625.0	6.5	-8.4	195.9	17.7	4.8	17.0	319.9	330.0	3.2	33.5	12.0	16
12.7	44.0	4343.1	600.0	3.2	-9.9	195.9	18.0	4.9	17.3	319.8	329.2	3.0	37.6	13.4	16
14.0	47.0	4686.0	575.0	-0.5	-11.5	195.9	18.8	5.1	18.0	319.5	328.1	2.7	42.5	14.7	16
15.2	50.0	5039.3	550.0	-3.9	-13.1	195.9	18.8	5.1	18.1	319.5	327.4	2.5	48.6	16.1	16
16.3	52.9	5404.8	525.0	-7.2	-14.2	195.9	18.5	5.1	17.8	319.7	327.4	2.4	57.4	17.4	16
17.6	55.9	5783.2	500.0	-10.4	-16.3	196.1	15.1	4.2	14.5	320.3	326.2	1.8	52.5	18.7	16
19.1	59.3	6176.3	475.0	-13.3	-18.5	200.6	17.4	6.2	14.5	321.5	324.1	0.8	26.6	20.1	16
20.4	62.7	6585.5	450.0	-16.7	-21.0	210.7	19.2	9.6	16.6	322.3	324.3	0.4	35.5	21.6	17
21.8	66.0	7011.8	425.0	-20.2	-24.6	215.4	20.1	11.6	16.4	323.1	324.8	0.5	24.1	23.2	18
23.2	69.7	7459.3	400.0	-23.5	-27.1	212.4	23.9	12.8	20.2	324.4	325.8	0.4	26.8	24.9	19
24.7	73.3	7927.3	375.0	-26.7	-30.3	211.6	25.6	13.4	21.8	326.3	327.4	0.3	26.0	27.0	20
26.4	77.3	8421.3	350.0	-30.9	-33.5	208.9	24.9	13.5	24.5	327.0	327.9	0.2	27.7	29.8	21
28.1	81.3	8942.5	325.0	-34.9	-37.4	212.1	27.3	14.5	23.1	328.6	329.2	0.2	26.4	32.6	22
30.0	85.6	9498.1	300.0	-39.1	-40.9	216.8	30.9	18.5	24.8	331.6	332.1	0.1	25.9	35.6	23
32.0	90.0	10091.6	275.0	-42.4	-44.4	220.2	31.8	20.5	24.3	333.7	333.7	99.9	99.9	39.4	24
34.1	95.0	10729.3	250.0	-46.8	-48.9	223.8	39.2	27.2	28.3	336.5	336.5	99.9	99.9	43.2	26
36.3	100.0	11425.1	225.0	-49.0	-50.3	226.0	36.9	26.5	25.7	343.5	343.5	99.9	99.9	48.4	28
38.4	105.3	12197.1	200.0	-50.3	-50.9	227.5	31.2	23.0	21.1	353.1	353.1	99.9	99.9	53.1	30
41.0	111.3	13064.1	175.0	-53.5	-53.5	223.3	26.7	19.2	15.5	361.6	361.6	99.9	99.9	57.1	31
44.1	117.7	14044.0	150.0	-57.5	-57.5	222.7	27.9	19.0	20.5	371.1	371.1	99.9	99.9	61.6	32
47.6	125.2	15189.7	125.0	-60.9	-60.9	225.7	12.0	8.6	8.4	384.9	384.9	99.9	99.9	66.1	33
51.8	133.0	16562.1	100.0	-66.1	-66.1	212.6	17.0	9.2	14.3	400.0	400.0	99.9	99.9	69.1	33
57.0	141.3	18341.3	75.0	-67.4	-67.4	222.5	4.1	2.8	3.0	445.4	445.4	99.9	99.9	71.5	33
64.1	150.3	20895.9	50.0	-56.3	-56.3	96.4	3.1	-3.1	0.3	511.0	511.0	99.9	99.9	72.1	33
75.7	160.0	25387.8	25.0	-48.4	-48.4	122.1	8.1	-6.8	4.3	645.6	645.6	99.9	99.9	70.4	30

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 576
LANDER, WYOMING11 JUNE 1976
2315 GMT

TIME MIN	CHTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RYL GM/KG	RH PCT	RANGE KM	AZ DEG
0.0	21.6	1695.0	820.4	14.3	-1.7	250.0	5.2	5.8	2.1	304.2	316.1	4.1	33.0	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.8	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02.7	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03.6	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04.5	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05.4	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
06.3	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
07.2	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
08.1	99.9	99.9	800.0	12.2	-1.5	259.4	5.2	5.1	1.0	304.2	316.5	4.3	33.5	0.3	74.
09.0	23.5	1907.0	800.0	9.6	-2.5	246.0	7.9	2.7	1.0	304.2	316.0	4.1	42.5	0.5	78.
10.0	28.1	2171.8	775.0	7.2	-3.9	230.2	4.8	2.7	2.1	304.4	315.5	3.8	45.0	0.6	69.
11.4	33.6	2442.7	750.0	5.3	-5.4	197.1	2.2	0.6	2.1	305.3	315.6	3.5	46.0	0.9	61.
12.8	33.1	2721.0	725.0	2.3	-6.9	228.4	4.0	3.0	2.6	305.1	314.7	3.3	50.5	1.0	58.
14.1	35.9	3006.2	700.0	0.0	-7.5	281.6	8.6	6.5	-1.3	305.7	315.2	3.2	56.9	1.2	61.
15.5	38.1	3299.3	675.0	-2.4	-8.7	293.5	10.6	9.2	-2.0	306.3	315.3	3.0	61.5	1.5	73.
16.9	40.6	3600.3	650.0	-5.2	-8.9	287.7	8.8	8.4	-2.7	306.6	315.8	3.1	74.8	2.0	84.
18.3	43.3	3910.6	625.0	-8.0	-10.0	283.4	8.5	8.3	-2.0	306.9	315.7	3.0	85.2	2.5	88.
19.7	46.1	4229.9	600.0	-10.3	-12.2	283.9	9.5	9.2	-2.3	307.9	315.8	2.6	88.0	3.1	90.
21.1	49.0	4559.6	575.0	-12.5	-14.6	281.9	9.5	9.3	-2.0	309.2	316.1	2.2	88.3	3.6	94.
22.5	51.8	4900.8	550.0	-14.8	-16.0	274.7	9.1	9.0	-0.7	310.7	317.1	2.1	90.3	4.3	94.
23.9	54.8	5255.0	525.0	-17.3	-17.6	269.1	9.6	9.6	0.1	312.0	317.9	1.9	97.3	4.8	94.
25.3	57.6	5622.8	500.0	-20.0	-20.6	261.5	12.1	10.0	1.4	313.2	318.1	1.6	95.5	5.3	93.
26.7	61.0	6005.4	475.0	-23.5	-25.8	261.5	12.5	10.1	3.1	313.6	317.0	1.0	81.9	4.9	91.
28.1	64.4	6403.4	450.0	-27.3	-34.2	252.9	9.2	8.8	2.4	314.0	315.7	0.5	51.6	6.6	89.
29.5	67.7	6818.7	425.0	-30.6	-34.7	264.7	7.2	7.2	0.7	315.3	316.7	0.4	54.6	7.1	89.
30.9	71.1	7252.5	400.0	-34.6	-41.0	260.8	7.7	7.6	1.2	315.6	316.7	0.3	52.1	7.7	88.
32.3	74.9	7707.1	375.0	-38.6	-44.5	265.4	5.4	5.4	0.4	316.7	317.4	0.2	53.4	8.2	86.
33.7	79.1	8125.0	350.0	-43.9	99.9	336.3	4.3	1.5	-4.1	316.2	999.9	99.9	99.9	9.4	87.
35.1	82.7	8688.8	325.0	-46.9	99.9	320.4	4.0	2.1	-3.4	319.2	999.9	99.9	99.9	8.5	92.
36.5	86.8	9223.0	300.0	-47.3	99.9	228.3	5.8	4.3	3.9	326.7	999.9	99.9	99.9	8.9	92.
37.9	91.3	9797.5	275.0	-43.2	99.9	198.6	11.4	3.6	10.8	341.9	999.9	99.9	99.9	9.3	86.
39.3	96.2	10435.0	250.0	-43.9	99.9	196.6	13.2	1.5	13.1	351.2	999.9	99.9	99.9	9.7	79.
40.7	101.3	11142.9	225.0	-45.0	99.9	197.3	18.6	5.5	17.8	361.5	999.9	99.9	99.9	10.8	69.
42.1	107.0	11932.8	200.0	-45.6	99.9	192.3	19.6	4.2	18.1	374.6	999.9	99.9	99.9	12.6	58.
43.5	113.3	12826.8	175.0	-49.1	99.9	191.7	20.2	4.1	19.9	385.4	999.9	99.9	99.9	14.8	49.
44.9	120.0	13847.3	150.0	-53.5	99.9	200.0	15.2	5.2	14.3	398.2	999.9	99.9	99.9	17.9	44.
46.3	128.0	15030.9	125.0	-60.0	99.9	170.6	13.1	-2.1	12.9	411.8	999.9	99.9	99.9	19.5	41.
47.7	137.0	16447.5	100.0	-61.6	99.9	211.7	7.4	3.8	6.4	443.7	999.9	99.9	99.9	22.3	37.
49.1	146.3	18231.8	75.0	-53.8	99.9	50.7	2.9	-2.3	-1.9	516.9	999.9	99.9	99.9	23.9	35.
50.5	156.3	20795.1	50.0	-49.4	99.9	999.9	99.9	99.9	99.9	643.0	999.9	99.9	99.9	99.9	99.9
51.9	166.3	23206.9	25.0	-49.4	99.9	999.9	99.9	99.9	99.9	643.0	999.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637
FLINT, MICHIGAN
11 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	OIR DG	SPEED M/SEC	U COMP M/SEC	V CCMP M/SEC	POT Y DG K	E POT Y DG K	MX PTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.9	236.0	979.3	30.0	18.4	320.0	3.6	2.3	-2.8	305.0	342.4	13.8	50.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	8.3	275.3	975.0	28.3	14.2	325.0	4.9	2.8	-4.0	303.7	332.4	10.5	42.0	0.2	143.
1.0	10.5	505.6	950.0	26.4	13.6	326.0	5.4	3.2	-4.4	304.0	332.4	10.4	43.1	0.3	144.
2.0	12.5	740.0	925.0	24.2	12.8	317.0	4.3	4.3	-4.6	304.1	331.8	10.1	48.9	0.7	143.
2.8	14.9	979.2	900.0	22.3	12.3	311.3	7.1	5.3	-4.7	304.5	332.2	10.1	53.1	1.0	140.
3.7	17.0	1223.4	875.0	19.5	11.0	310.9	7.0	5.3	-4.6	304.1	330.2	9.5	58.0	1.4	137.
4.7	19.4	1472.6	850.0	17.6	10.7	309.2	8.5	6.6	-4.4	304.5	331.0	9.6	64.4	1.8	135.
5.4	21.5	1727.4	825.0	15.6	10.9	305.8	8.6	7.0	-4.0	305.1	332.7	10.0	73.7	2.2	134.
6.3	24.0	1987.9	800.0	13.0	10.8	298.7	7.5	6.6	-3.6	305.0	333.1	10.2	86.2	2.6	132.
7.2	26.2	2254.7	775.0	10.8	7.2	302.5	9.2	7.8	-3.0	305.5	328.5	8.3	78.0	3.0	131.
8.1	28.8	2527.9	750.0	9.2	4.0	300.5	11.0	9.5	-2.6	306.5	328.5	6.9	70.3	3.6	129.
9.3	31.4	2808.2	725.0	7.2	-2.8	305.4	12.9	10.5	-1.5	307.3	320.0	4.4	40.6	4.4	127.
10.3	34.1	3096.0	700.0	5.6	-28.9	316.2	13.4	9.3	-2.7	308.7	315.4	0.5	6.1	5.3	128.
11.4	36.6	3392.5	675.0	4.6	-32.0	317.2	14.1	9.6	-10.4	310.8	312.1	0.4	4.9	6.1	130.
12.4	39.3	3698.6	650.0	2.7	-30.2	312.8	13.6	9.9	-9.1	312.0	313.0	0.3	3.5	7.0	130.
13.5	41.9	4014.2	625.0	0.4	-38.6	315.2	13.6	9.6	-8.6	312.9	313.6	0.2	3.4	7.8	130.
14.6	44.9	4339.8	600.0	-2.4	-37.2	321.9	14.6	9.0	-11.5	313.4	314.3	0.3	4.8	8.8	132.
15.8	47.8	4676.2	575.0	-3.8	-43.8	320.0	12.3	7.9	-9.4	315.6	316.0	0.1	2.7	9.8	133.
17.2	50.7	5026.6	550.0	-5.0	-50.6	325.3	11.6	6.6	-6.6	320.9	321.2	0.1	2.7	13.2	136.
18.5	53.7	5389.9	525.0	-9.1	-49.3	329.0	11.2	5.7	-6.6	319.8	319.7	0.1	2.4	12.5	135.
20.3	56.7	5766.5	500.0	-11.2	-49.9	328.4	10.9	5.7	-5.3	319.4	319.7	0.1	2.4	12.5	135.
21.2	60.0	6157.9	475.0	-13.8	-50.6	325.3	11.6	6.6	-6.6	320.9	321.2	0.1	2.7	13.2	136.
22.4	63.4	6566.1	450.0	-17.1	-50.3	332.1	14.2	7.7	-11.6	321.9	322.1	0.1	3.7	14.1	137.
23.6	66.8	6992.5	425.0	-19.5	-50.3	333.7	15.5	6.9	-12.9	324.1	324.2	0.0	7.2	15.3	138.
25.1	70.4	7441.5	400.0	-21.4	-54.1	335.7	14.6	6.0	-13.3	327.2	327.5	0.1	3.4	16.5	139.
26.8	74.0	7913.5	375.0	-25.2	-55.4	341.3	13.8	4.4	-13.0	329.2	328.4	0.1	4.0	17.8	141.
28.6	78.0	8409.9	350.0	-29.8	-55.2	332.1	14.9	7.0	-13.2	328.5	328.8	0.1	6.3	19.3	142.
30.3	82.0	8933.0	325.0	-34.5	-58.1	319.9	17.0	10.9	-13.0	329.0	329.2	0.1	9.1	20.8	142.
32.2	86.2	9488.0	300.0	-38.9	-57.1	317.0	23.0	18.4	-13.8	330.6	330.8	0.1	12.4	23.1	141.
34.0	90.7	10078.7	275.0	-43.6	99.9	303.3	21.8	18.2	-12.0	331.8	999.9	99.9	999.9	25.5	140.
35.9	95.5	10711.0	250.0	-48.4	99.9	304.6	22.0	18.1	-12.5	334.2	999.9	99.9	999.9	27.9	138.
38.0	100.5	11398.0	225.0	-53.7	99.9	309.1	24.1	18.7	-15.2	336.3	999.9	99.9	999.9	30.8	137.
40.3	106.0	12143.3	200.0	-60.6	99.9	304.1	22.2	18.4	-12.4	336.9	999.9	99.9	999.9	33.9	136.
42.8	111.8	12982.8	175.0	-58.4	99.9	294.9	26.7	24.3	-11.2	353.6	999.9	99.9	999.9	37.4	135.
45.5	119.3	13947.2	150.0	-59.0	99.9	310.4	23.1	15.1	-17.5	368.4	999.9	99.9	999.9	41.3	133.
48.7	125.8	15084.5	125.0	-61.4	99.9	304.2	16.4	13.6	-9.2	383.9	999.9	99.9	999.9	44.5	133.
52.4	134.0	16474.4	100.0	-61.9	99.9	295.2	13.1	11.8	-5.6	408.1	999.9	99.9	999.9	47.4	132.
57.2	142.7	18260.2	75.0	-60.7	99.9	302.0	5.9	5.0	-3.1	446.6	999.9	99.9	999.9	49.9	132.
63.2	152.3	20806.0	50.0	-57.1	99.9	227	3.1	-4.2	-2.9	509.1	999.9	99.9	999.9	51.1	132.
72.5	162.7	25300.0	25.0	-47.6	99.9	999.9	99.9	99.9	99.9	649.2	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645
GREEN BAY, WISCONSIN
11 JUNE 1976
2315 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.6	210.0	983.7	25.0	13.9	90.3	7.2	-7.2	0.0	290.6	327.0	10.2	50.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	8.5	287.9	975.0	23.9	12.3	102.5	7.6	-7.4	1.6	290.1	324.1	9.3	48.6	0.2	287.
0.9	10.5	51.6.3	953.0	21.5	11.6	108.1	7.5	-7.2	2.3	290.1	323.5	9.1	53.1	0.4	285.
1.7	12.7	745.4	925.0	21.2	17.2	125.9	5.8	-4.7	3.1	301.0	337.3	13.6	78.4	0.7	290.
2.5	15.0	983.5	900.0	20.6	17.3	155.8	3.1	-1.3	2.8	302.7	332.3	14.0	81.5	0.9	296.
3.3	17.1	1227.9	875.0	20.3	14.8	211.9	3.5	1.9	3.0	304.9	338.1	12.2	70.5	1.0	305.
4.2	19.5	1478.2	850.0	18.2	14.4	247.4	4.3	4.0	1.7	305.2	338.6	12.2	78.5	0.9	310.
5.1	21.7	1734.1	825.0	16.8	12.8	269.6	5.0	5.0	0.0	305.3	337.6	11.4	77.5	0.8	312.
6.0	24.2	1906.1	800.0	15.1	8.8	272.8	6.0	5.9	-0.8	307.2	332.2	8.9	66.1	0.7	353.
6.8	26.5	2264.7	775.0	13.5	4.8	290.7	5.8	5.4	-2.6	308.3	328.3	7.0	55.7	0.7	17.
7.8	29.1	2540.3	750.0	12.0	-0.3	293.9	6.6	6.0	-2.7	308.6	324.2	5.0	42.4	0.7	50.
8.8	31.6	2823.6	725.0	10.3	-3.5	285.2	7.8	7.5	-2.0	310.7	322.8	4.1	37.8	0.9	70.
9.7	34.3	3114.7	700.0	8.2	-2.7	287.1	8.6	8.2	-2.5	311.6	325.5	4.7	48.6	1.4	82.
10.8	36.8	3413.8	675.0	5.8	-3.4	293.5	8.8	8.1	-3.5	312.2	325.3	4.4	51.5	1.9	90.
11.9	39.6	3721.9	650.0	3.6	-5.0	305.8	10.3	8.3	-6.0	313.1	325.3	4.1	53.3	2.5	97.
13.1	42.2	4035.5	625.0	1.4	-6.7	317.0	10.5	7.7	-7.2	314.1	325.3	3.7	54.5	3.1	105.
14.1	45.1	4366.6	600.0	-1.7	-8.4	321.9	8.5	5.2	-6.7	314.1	324.3	3.4	60.1	3.7	110.
15.4	48.1	4704.1	575.0	-4.2	-10.6	315.5	13.7	9.6	-9.8	315.0	324.1	3.0	61.1	4.5	116.
16.4	50.9	5052.9	550.0	-6.8	-13.0	306.6	8.8	7.1	-5.3	315.0	324.0	2.6	61.3	5.1	118.
17.7	54.1	5414.7	525.0	-8.7	-13.6	294.7	8.5	7.7	-7.6	315.0	325.0	2.6	67.6	5.7	118.
19.1	57.1	5701.9	500.0	-10.8	-19.1	294.1	8.2	7.5	-3.4	319.9	325.4	1.7	50.4	1.7	117.
20.4	60.4	6184.2	475.0	-13.8	-23.8	295.3	6.6	5.9	-2.8	320.8	324.7	1.2	42.5	7.0	117.
21.9	64.0	6592.8	450.0	-16.7	-22.8	287.8	5.1	4.9	-1.2	322.3	325.8	1.4	58.8	7.5	117.
23.4	67.3	7019.8	425.0	-20.1	-23.3	278.2	7.3	7.3	-1.0	323.2	327.9	1.4	77.8	8.0	115.
24.9	70.8	7468.5	400.0	-23.2	-34.4	271.7	9.5	9.5	-0.3	324.9	325.3	0.4	27.5	3.7	114.
26.5	74.6	7930.3	375.0	-26.5	-49.5	277.1	10.9	10.9	-1.3	326.6	327.0	0.1	9.5	9.7	112.
28.2	78.7	8431.0	350.0	-30.7	-39.3	278.5	9.7	9.6	-1.4	327.4	329.7	0.4	43.8	10.7	110.
29.9	82.6	8951.7	325.0	-33.5	-38.6	283.9	10.6	10.3	-2.5	330.6	332.1	0.4	59.9	11.8	110.
31.9	86.9	9510.3	300.0	-38.1	-45.3	301.8	7.8	4.6	-4.1	331.7	332.6	0.2	47.8	12.9	109.
34.0	91.4	10103.6	275.0	-42.9	-49.9	959.9	99.9	99.9	99.9	333.2	999.9	99.9	999.9	999.9	999.9
36.3	96.2	10738.5	250.0	-48.3	99.9	999.9	99.9	99.9	99.9	334.2	999.9	99.9	999.9	999.9	999.9
38.3	101.2	11422.3	225.0	-54.1	99.9	999.9	99.9	99.9	99.9	335.6	999.9	99.9	999.9	999.9	999.9
40.7	106.8	12169.8	200.0	-57.9	99.9	295.5	15.4	13.9	-6.7	341.1	999.9	99.9	999.9	20.2	109.
43.7	112.8	13014.5	175.0	-57.2	99.9	301.0	21.9	18.8	-11.3	353.5	999.9	99.9	999.9	23.7	110.
46.9	119.3	13979.5	150.0	-60.7	99.9	307.1	20.3	16.2	-12.3	358.6	999.9	99.9	999.9	27.5	112.
51.1	126.7	15113.7	125.0	-58.5	99.9	999.9	99.9	99.9	99.9	389.1	999.9	99.9	999.9	999.9	999.9
55.5	135.0	16531.7	100.0	-62.9	99.9	999.9	99.9	99.9	99.9	406.1	999.9	99.9	999.9	999.9	999.9
61.6	143.3	18286.1	75.0	-60.5	99.9	330.5	7.5	3.7	-8.5	448.0	999.9	99.9	999.9	38.1	115.
69.4	153.0	20940.3	50.0	-55.4	99.9	72.8	3.4	-3.3	-1.0	512.9	999.9	99.9	999.9	38.7	116.
80.7	163.0	25342.5	25.0	-43.3	99.9	314.8	9.4	6.7	-6.6	645.9	999.9	99.9	999.9	38.0	120.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
HURON, SOUTH DAKOTA

11 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.1	10.4	392.0	999.5	35.6	9.9	170.0	11.3	-2.0	11.1	313.4	336.7	8.1	21.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.6	12.5	625.1	925.0	33.3	12.4	165.3	14.8	-5.0	13.9	313.3	341.4	9.8	28.2	0.6	340.
1.6	15.0	875.3	900.0	30.5	12.1	165.5	15.6	-4.2	15.0	312.9	341.1	9.9	27.4	1.5	341.
2.5	17.1	1126.1	875.0	27.5	11.9	165.3	15.6	-3.2	15.2	312.4	341.1	10.1	28.0	2.4	343.
3.5	19.6	1381.8	850.0	24.7	11.5	174.0	14.8	-1.5	14.7	312.0	340.8	10.1	43.7	3.2	345.
4.5	21.9	1642.6	825.0	22.2	11.3	173.3	15.3	-1.8	15.2	312.1	341.2	10.3	49.9	4.1	347.
5.4	24.4	1909.2	800.0	19.5	10.5	174.2	15.3	-1.5	15.2	312.0	340.4	10.1	56.0	4.9	348.
6.2	26.8	2181.9	775.0	17.2	10.1	176.8	15.2	-0.9	15.2	312.3	340.9	10.1	63.0	5.7	349.
7.1	29.4	2461.3	750.0	15.4	7.8	188.9	14.1	2.2	14.0	313.3	338.8	8.9	40.7	6.5	351.
7.9	32.0	2749.2	725.0	13.9	-12.1	208.4	12.6	5.2	11.5	316.9	323.5	2.1	13.4	7.1	353.
9.0	34.8	3045.2	700.0	12.0	-17.1	214.9	11.4	7.0	9.0	318.4	323.0	1.4	9.8	7.7	357.
10.0	37.3	3351.7	675.0	10.4	-18.7	214.9	11.1	6.4	9.1	319.1	323.4	1.3	9.9	8.2	36.
11.0	40.2	3665.7	650.0	9.3	-19.8	211.4	11.0	5.8	9.4	319.5	323.6	1.2	10.8	8.7	2.
12.0	42.9	3988.9	625.0	6.6	-19.0	210.7	11.6	5.9	10.0	320.0	324.5	1.4	13.9	9.3	4.
12.9	45.9	4321.4	600.0	3.2	-17.1	212.5	11.6	6.2	9.7	319.8	325.2	1.7	20.9	9.9	6.
14.1	49.0	4654.0	575.0	-0.2	-15.7	209.4	11.6	5.7	10.1	319.7	326.0	2.0	30.0	10.7	8.
15.2	51.9	5017.9	550.0	-3.1	-13.6	207.7	11.5	5.3	10.2	320.4	328.1	2.4	44.2	11.4	9.
16.4	55.1	5393.9	525.0	-6.6	-14.0	210.6	11.5	5.9	9.9	320.5	329.3	2.5	55.6	12.1	11.
17.7	59.3	5762.7	500.0	-10.3	-15.6	209.9	12.2	6.1	10.5	320.5	327.7	2.3	65.0	13.1	12.
19.1	61.7	6153.4	475.0	-14.1	-16.5	208.5	12.7	6.1	11.1	320.6	327.7	2.2	81.6	14.0	13.
20.6	65.2	6563.4	450.0	-16.8	-17.3	211.3	11.3	5.9	9.7	322.1	325.7	1.1	47.0	15.1	14.
22.2	68.7	6991.0	425.0	-19.4	-13.5	212.5	10.9	5.9	9.1	324.2	324.9	0.2	6.6	16.1	15.
23.7	72.3	7438.3	400.0	-23.4	-14.1	216.5	12.0	7.2	9.7	324.7	325.2	0.1	10.3	17.0	17.
25.3	76.2	7908.8	375.0	-27.0	-17.5	225.1	16.2	11.5	11.4	325.9	326.4	0.1	12.2	18.2	18.
26.9	80.3	8401.2	350.0	-30.5	-19.6	228.2	21.8	16.2	14.5	327.7	328.1	0.1	13.4	20.0	21.
28.5	84.3	8922.8	325.0	-35.1	-22.9	227.6	20.1	14.8	13.6	328.3	329.6	0.1	14.1	21.9	24.
30.4	89.5	9477.5	300.0	-38.7	-26.9	225.1	15.7	10.8	11.4	330.8	331.1	0.1	12.5	23.6	25.
32.3	93.2	10069.0	275.0	-42.9	-29.9	235.1	15.2	15.7	11.0	333.1	999.9	99.9	99.9	25.4	27.
34.3	98.0	10704.8	250.0	-48.0	-29.9	245.3	23.4	21.3	9.9	334.8	999.9	99.9	99.9	27.5	30.
36.3	103.0	11393.6	225.0	-51.1	-29.9	242.0	22.2	19.6	10.4	340.3	999.9	99.9	99.9	29.9	33.
38.5	108.8	12153.3	200.0	-55.3	-29.9	223.4	16.4	11.3	11.9	345.2	999.9	99.9	99.9	32.2	35.
41.7	114.9	13004.3	175.0	-59.9	-29.9	227.8	22.2	15.4	14.9	357.7	999.9	99.9	99.9	35.6	36.
44.5	121.3	13987.5	150.0	-56.8	-29.9	245.9	15.1	13.8	6.2	372.3	999.9	99.9	99.9	38.8	38.
48.2	128.7	15128.5	125.0	-60.8	-29.9	236.7	16.9	14.1	9.3	385.0	999.9	99.9	99.9	41.4	38.
52.5	136.8	16514.4	100.0	-60.2	-29.9	227.6	2.7	2.0	1.8	411.4	999.9	99.9	99.9	43.5	40.
58.0	145.3	18294.1	75.0	-62.0	-29.9	217.7	4.5	2.7	3.6	447.3	999.9	99.9	99.9	44.1	40.
65.1	155.0	20854.3	50.0	-54.9	-29.9	60.3	2.4	-2.1	-1.2	514.0	999.9	99.9	99.9	44.0	40.
76.3	165.5	25167.0	25.0	-47.7	-29.9	78.9	7.5	-7.4	-1.4	647.8	999.9	99.9	99.9	41.3	37.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 655
ST. CLOUD, MINNESOTA
11 JUNE 1976
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COME M/SEC	V COME M/SEC	POT T DG K	E POT T DG K	WX RTD GM/KG	RM PCY	RANGE KM	AZ DG
0.0	8.7	315.0	967.5	30.6	21.1	120.0	3.1	-2.7	1.5	306.6	351.5	16.6	57.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	10.3	477.6	950.0	29.5	99.9	147.3	10.3	-5.6	8.7	307.2	366.6	14.5	58.5	0.3	322.
1.6	12.3	714.6	925.0	27.1	18.3	137.7	9.8	-6.6	7.3	307.0	346.6	14.5	58.5	0.9	322.
2.4	14.5	956.8	900.0	24.8	17.1	140.8	11.2	-7.1	8.7	307.1	346.7	13.8	62.2	1.4	321.
3.4	16.6	1203.5	875.0	22.2	16.2	138.6	9.9	-6.5	7.4	306.8	343.6	13.4	69.1	2.0	321.
4.5	18.9	1455.1	850.0	19.8	14.3	152.0	10.6	-5.0	9.4	306.9	340.4	12.2	70.5	2.7	321.
5.6	21.1	1712.8	825.0	21.0	-8.3	162.9	12.0	-3.5	11.4	310.8	318.4	2.5	13.2	3.4	325.
6.8	23.5	1977.9	800.0	19.2	-8.3	161.6	10.8	-3.4	10.2	311.4	323.8	3.8	21.6	4.2	328.
7.9	25.8	2249.2	775.0	16.9	-3.1	170.2	9.6	-1.4	9.4	312.0	321.8	3.9	25.3	4.9	331.
8.9	28.3	2527.1	750.0	14.8	-12.2	178.2	10.8	-0.3	10.8	312.7	319.0	2.0	14.5	5.4	333.
10.7	30.9	2812.3	725.0	12.5	-14.2	186.6	11.6	1.3	11.5	313.2	318.7	1.7	14.0	6.0	336.
11.1	33.4	3104.8	700.0	9.5	-9.8	196.6	11.9	1.4	11.8	313.0	321.1	2.6	24.8	6.7	340.
12.1	35.9	3405.0	675.0	7.1	-7.2	193.2	10.8	2.5	10.5	313.6	323.6	3.3	35.5	7.3	343.
13.3	38.7	3713.9	650.0	4.4	-8.0	199.9	10.0	3.4	9.4	313.9	323.8	3.2	40.1	8.0	346.
14.6	41.3	4031.8	625.0	1.5	-7.6	205.8	10.1	4.4	9.1	314.2	324.7	3.5	50.7	8.6	349.
15.9	44.1	4358.9	600.0	-1.5	-7.4	208.3	10.9	4.8	9.7	314.4	325.5	3.7	63.9	9.3	352.
17.4	47.1	4696.4	575.0	-4.6	-6.0	215.5	10.7	7.1	8.0	314.6	325.3	4.6	96.6	10.0	355.
18.8	50.1	5045.5	550.0	-6.8	-7.7	227.2	10.8	9.1	5.9	316.0	327.8	3.9	93.2	10.6	359.
20.2	53.1	5407.8	525.0	-8.7	-13.6	249.1	12.1	11.3	4.3	317.9	325.9	2.6	68.1	11.0	4.
21.6	56.0	5784.3	500.0	-10.8	-24.3	260.3	12.7	12.5	2.1	318.8	323.4	1.1	31.9	11.4	9.
23.1	59.4	6176.4	475.0	-13.9	-24.1	271.5	14.0	14.9	-0.4	320.7	325.6	1.5	51.7	12.1	27.
24.8	62.7	6565.2	450.0	-16.5	-24.1	270.7	14.4	14.4	-0.2	322.5	326.5	1.2	51.7	12.1	27.
26.3	66.0	7012.1	425.0	-19.4	-24.3	263.7	12.7	12.6	1.4	324.1	324.2	0.0	2.2	12.7	27.
28.0	69.7	7460.0	400.0	-23.0	-38.9	245.2	11.1	11.1	0.9	325.1	325.3	0.3	21.7	13.4	31.
29.6	73.3	7929.5	375.0	-27.0	-38.5	254.4	9.4	9.0	2.5	325.9	327.2	0.4	37.8	14.1	34.
31.2	77.3	8422.7	350.0	-30.9	-39.1	246.1	8.4	7.7	3.4	327.1	328.5	0.4	49.1	14.7	36.
33.0	81.2	8944.1	325.0	-35.1	-45.0	234.7	10.5	8.4	6.1	329.5	329.1	0.2	14.0	15.7	38.
35.1	85.4	9497.4	300.0	-39.6	-45.0	251.2	12.8	11.7	3.9	329.5	329.9	99.9	99.9	17.0	39.
37.3	90.0	10085.7	275.0	-44.1	99.9	259.3	16.5	16.2	3.1	331.3	329.9	99.9	99.9	18.5	43.
39.4	94.8	10719.0	250.0	-49.0	99.9	252.9	19.7	17.5	5.4	333.3	329.9	99.9	99.9	20.5	47.
42.0	99.9	11406.0	225.0	-50.8	99.9	256.7	16.6	16.2	3.8	340.6	329.9	99.9	99.9	22.8	50.
44.6	105.0	12171.5	200.0	-52.9	99.9	251.3	20.5	16.4	0.6	340.0	329.9	99.9	99.9	25.6	53.
47.7	111.0	13021.5	175.0	-57.7	99.9	275.4	20.0	16.9	-1.9	354.7	329.9	99.9	99.9	29.2	56.
50.9	117.5	13987.9	150.0	-60.6	99.9	280.8	12.8	12.6	-2.2	365.8	329.9	99.9	99.9	31.4	61.
54.9	125.0	15124.2	125.0	-60.8	99.9	262.9	12.1	12.1	1.5	384.9	329.9	99.9	99.9	34.4	63.
59.7	133.3	16500.9	100.0	-62.2	99.9	306.4	9.1	7.3	-5.4	407.7	329.9	99.9	99.9	37.8	66.
65.8	142.0	18283.2	75.0	-60.0	99.9	294.7	3.3	3.3	-1.4	447.2	329.9	99.9	99.9	38.6	68.
73.7	151.7	20845.5	50.0	-55.8	99.9	47.1	4.3	-3.2	-3.0	512.1	329.9	99.9	99.9	38.5	69.
85.9	142.0	23326.2	25.0	-47.7	99.9	91.0	6.4	-6.4	0.1	647.6	329.9	99.9	99.9	34.9	69.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662
RAPID CITY, SOUTH DAKOTA
11 JUNE 1976
2310 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX WTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	16.3	966.0	888.3	25.0	11.2	330.0	5.2	2.6	-4.5	308.4	335.0	9.5	42.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	17.6	1058.6	875.0	25.4*	4.3	327.2	9.3	5.0	-7.8	310.2	327.5	5.0	25.6	0.2	133.
0.0	20.1	1353.3	853.0	25.7	5.7	329.6	8.7	4.4	-7.5	313.1	332.8	6.8	27.9	0.5	140.
1.5	22.4	1614.5	825.0	22.5	4.2	343.4	6.7	1.9	-6.4	312.4	330.7	6.3	30.4	0.8	145.
2.2	24.9	1881.1	800.0	20.7	6.6	301.1	4.3	-2.1	-3.7	313.3	335.5	7.7	39.9	0.9	153.
3.0	27.3	2154.7	775.0	18.2	6.5	57.6	4.4	-3.7	-2.3	313.4	326.1	7.9	46.3	1.0	155.
3.8	29.9	2434.4	750.0	15.9	3.9	92.5	3.6	-3.6	0.2	313.8	323.4	6.8	44.9	1.0	176.
4.5	32.6	2721.4	725.0	13.7	0.5	137.7	3.8	-2.6	2.8	314.5	320.7	5.5	40.4	0.9	184.
5.4	35.3	3015.8	700.0	11.0	-1.7	160.1	5.6	-1.9	5.2	314.7	329.1	4.8	41.1	0.7	195.
6.3	37.8	3318.1	675.0	8.8	-3.7	145.0	8.5	-2.1	8.2	315.5	328.3	4.3	40.4	0.5	218.
7.3	40.5	3625.2	650.0	6.3	-5.2	169.3	12.6	-2.3	12.3	315.1	328.2	4.0	43.5	0.5	236.
8.2	43.2	3949.7	625.0	4.1	-7.2	168.8	14.2	-2.8	13.9	317.1	328.1	3.6	43.5	1.1	332.
9.3	46.2	4280.3	600.0	1.7	-12.3	165.3	14.7	-3.7	14.2	318.1	325.9	2.5	34.4	2.0	372.
10.3	49.3	4621.4	575.0	-1.4	-17.3	172.8	15.4	-1.9	15.2	318.4	323.9	1.7	28.6	3.0	341.
11.6	52.1	4973.8	550.0	-4.2	-17.3	170.1	17.3	-3.0	17.1	319.2	324.9	1.6	35.2	4.2	345.
12.7	55.3	5337.1	525.0	-8.8	-15.1	171.7	18.9	-2.7	18.7	317.9	325.0	2.3	60.0	5.5	346.
14.7	58.4	5712.7	500.0	-12.7	-15.1	155.5	22.1	2.2	22.0	317.5	325.0	2.4	22.0	7.5	350.
15.9	61.9	6103.0	475.0	-15.3	-17.1	169.9	23.2	4.0	22.8	319.0	325.7	2.1	86.2	9.5	353.
17.1	65.3	6512.1	450.0	-17.6	-19.3	154.6	22.9	5.8	22.2	321.1	327.1	1.9	86.2	11.0	356.
18.9	68.7	6936.2	425.0	-20.6	-22.7	194.2	19.8	6.2	18.8	322.6	327.3	1.4	82.9	12.1	358.
19.1	72.3	7382.3	400.0	-23.9	-25.3	197.3	19.3	5.4	17.5	323.9	327.9	1.2	82.2	13.2	360.
20.6	76.1	7851.2	375.0	-26.7	-29.3	166.6	17.9	5.1	17.2	326.3	329.3	0.9	78.2	14.8	2.
22.5	80.1	8346.5	350.0	-29.4	-31.4	203.5	21.7	8.7	19.9	328.8	331.5	0.7	60.8	16.9	4.
24.2	84.2	8872.1	325.0	-32.7	-35.0	208.9	26.8	12.0	23.5	331.7	333.8	0.6	79.2	19.3	7.
25.8	88.3	9431.3	300.0	-36.9	-39.3	214.5	26.4	15.0	21.8	333.4	335.0	0.4	77.6	21.5	10.
27.3	91.0	10027.7	275.0	-41.4	-44.3	222.7	25.5	16.6	19.3	335.2	339.9	99.9	99.9	23.7	12.
28.8	97.6	10654.2	250.0	-46.3	-49.9	222.7	24.0	16.0	17.8	337.3	339.9	99.9	99.9	25.6	15.
30.9	102.4	11361.1	225.0	-51.4	-54.9	211.1	17.9	9.3	15.4	339.8	339.9	99.9	99.9	28.2	17.
32.9	108.0	12114.2	200.0	-57.5	-59.9	209.2	13.7	6.7	12.0	341.8	339.9	99.9	99.9	29.9	18.
35.6	113.8	12976.2	175.0	-51.6	-54.9	203.9	19.9	8.5	19.0	344.8	339.9	99.9	99.9	33.1	17.
38.1	120.7	13970.6	150.0	-54.6	-59.9	230.9	5.9	7.7	6.3	376.1	339.9	99.9	99.9	35.0	19.
41.6	127.0	15125.2	125.0	-58.1	-59.9	182.5	14.8	0.7	14.8	389.7	339.9	99.9	99.9	37.5	18.
45.8	134.7	16511.2	100.0	-62.5	-59.9	265.7	5.0	4.9	0.4	406.9	339.9	99.9	99.9	39.1	20.
51.5	142.3	18284.7	75.0	-60.1	-59.9	189.9	6.4	1.1	6.3	447.0	339.9	99.9	99.9	40.6	19.
59.1	150.7	20849.1	50.0	-56.1	-59.9	94.2	5.4	-5.4	0.4	511.3	339.9	99.9	99.9	40.2	18.
70.1	159.7	23327.8	25.0	-49.3	-59.9	92.7	8.7	-8.7	0.4	541.3	339.9	99.9	99.9	39.4	14.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 734
 SAULT STE. MARIE, MICHIGAN

 11 JUNE 1976
 2305 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED K/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	7.3	221.0	984.1	20.6	11.2	30.7	2.6	-1.3	-2.3	295.1	317.9	8.6	55.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.1	8.1	301.1	975.0	20.1*	99.9	52.5	2.2	-1.0	-1.4	295.4	999.9	99.9	99.9	0.1	221.
1.0	10.3	523.1	950.0	17.2*	99.9	51.4	4.3	-3.4	-2.5	294.6	999.9	99.9	99.9	0.2	225.
1.5	12.4	749.5	925.0	15.4	6.6	49.8	5.6	-4.2	-3.6	295.0	312.9	8.6	55.8	0.4	225.
2.2	14.6	981.1	900.0	13.1	5.5	42.6	4.3	-2.9	-3.2	295.0	312.9	6.3	59.9	0.6	228.
3.0	16.7	1217.2	875.0	10.9	5.1	49.4	3.7	-2.8	-2.4	295.1	312.2	6.3	67.2	0.8	227.
3.8	19.1	1458.4	850.0	8.8	4.7	37.8	2.9	-1.8	-2.3	295.3	312.5	6.3	75.5	0.9	226.
4.6	21.3	1704.0	825.0	10.1	1.2	336.3	5.3	2.1	-4.8	299.3	313.5	5.1	54.5	1.1	222.
5.6	23.8	1962.8	800.0	11.2	-4.1	328.2	8.5	3.2	-7.9	303.1	313.4	3.5	34.0	1.3	203.
6.6	26.1	2227.4	775.0	10.5	-8.7	324.8	10.9	6.3	-6.9	305.1	312.7	2.5	24.9	1.7	100.
7.6	28.6	2499.8	750.0	9.3	-12.0	310.8	11.6	9.7	-7.6	306.7	312.9	2.0	20.7	2.2	174.
8.6	31.2	2779.6	725.0	7.2	-13.4	313.8	12.6	9.1	-8.7	307.3	313.1	1.9	21.4	2.7	164.
9.5	33.9	3067.0	700.0	5.8	-15.2	319.3	14.3	9.4	-10.8	308.9	314.1	1.7	20.3	3.4	158.
10.4	36.3	3363.6	675.0	4.0	-16.3	324.4	15.4	9.0	-12.5	310.1	315.1	1.6	21.1	4.2	155.
11.4	38.1	3669.9	650.0	1.8	-18.8	326.0	16.5	9.2	-13.7	311.0	315.3	1.3	19.8	5.2	153.
12.5	41.7	3984.4	625.0	0.7	-21.2	326.6	17.8	9.6	-14.6	313.2	316.8	1.1	17.6	6.2	152.
13.7	44.6	4310.5	600.0	-1.6	-22.4	323.8	19.5	11.7	-16.0	314.3	317.7	1.1	18.6	7.6	151.
14.9	47.5	4648.4	575.0	-3.1	-22.4	317.7	21.3	14.3	-15.7	316.3	319.9	1.1	20.8	9.1	149.
16.1	50.4	4998.6	550.0	-5.9	-25.0	316.8	22.5	15.4	-16.4	317.1	320.2	0.9	20.2	10.6	147.
17.2	53.4	5361.2	525.0	-8.3	-26.9	317.1	24.0	16.4	-17.6	318.4	321.1	0.8	20.8	12.1	146.
18.4	56.4	5738.5	500.0	-10.2	-29.7	312.8	24.3	17.8	-16.5	320.6	322.8	0.6	18.5	13.8	145.
19.7	59.7	6131.1	475.0	-13.7	-31.0	315.8	23.8	16.6	-17.1	321.0	323.1	0.6	21.4	15.7	143.
21.0	63.0	6539.8	450.0	-15.8	-33.8	317.6	24.3	17.1	-18.7	323.3	325.0	0.5	19.5	17.5	143.
22.4	66.3	6969.2	425.0	-19.4	-37.0	315.5	21.6	15.2	-15.4	325.4	326.8	0.4	17.5	19.6	142.
24.1	70.0	7417.9	400.0	-22.6	-40.1	320.1	20.3	13.0	-15.5	325.6	326.7	0.3	18.3	21.6	142.
25.8	73.5	7887.7	375.0	-26.9	-43.2	323.7	21.5	12.9	-17.2	326.0	327.6	0.2	19.6	23.7	142.
27.4	77.3	8391.5	350.0	-30.9	-46.4	324.8	22.4	12.9	-18.3	327.1	327.7	0.2	19.9	26.0	142.
29.3	81.2	8901.7	325.0	-35.9	-49.9	322.0	24.4	15.0	-19.2	327.2	327.7	0.1	21.9	28.4	142.
31.2	85.4	9451.9	300.0	-41.3	-53.9	321.0	24.6	16.5	-19.1	327.2	327.7	0.0	999.9	31.3	142.
33.3	89.8	10034.2	275.0	-46.3	-59.7	331.8	25.6	12.1	-22.5	328.2	327.7	99.9	99.9	34.5	142.
35.6	94.6	10666.1	250.0	-49.1	-64.1	331.4	20.1	9.7	-17.8	333.1	327.7	99.9	99.9	38.1	143.
38.2	99.5	11347.5	225.0	-55.4	-69.9	317.1	18.0	12.3	-13.2	333.6	327.7	99.9	99.9	41.2	143.
40.7	104.8	12091.0	200.0	-59.6	-74.9	312.8	32.8	24.1	-22.3	339.9	327.7	99.9	99.9	44.8	143.
43.8	110.6	12923.6	175.0	-57.2	-79.9	302.6	28.9	24.4	-18.3	355.5	327.7	99.9	99.9	50.4	141.
47.5	117.0	13896.5	150.0	-59.0	-80.9	308.3	29.5	23.1	-18.3	368.4	327.7	99.9	99.9	57.1	139.
51.5	124.0	15044.2	125.0	-56.5	-80.9	312.3	23.6	17.5	-15.9	392.7	327.7	99.9	99.9	62.7	138.
57.4	132.0	16454.4	100.0	-58.2	-82.9	300.4	13.6	11.7	-6.9	415.4	327.7	99.9	99.9	68.0	137.
64.1	140.5	18260.5	75.0	-58.8	-89.9	285.0	5.3	5.1	-1.4	449.8	327.7	99.9	99.9	72.3	137.
73.2	149.7	20830.5	50.0	-54.2	-99.9	35.8	5.2	-3.0	-4.2	515.9	327.7	99.9	99.9	73.8	137.
88.4	160.0	25337.8	25.0	-45.4	-99.9	64.9	8.4	-7.6	-3.6	654.2	327.7	99.9	99.9	72.9	140.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
INTL. FALLS, MINNESOTA
11 JUNE 1976
2307 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T OG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.7	359.0	963.3	27.8	16.7	140.0	6.2	-4.0	4.7	304.2	334.3	12.6	51.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	8.8	482.1	950.0	26.0	14.0	126.0	9.7	-7.8	5.7	303.5	332.7	10.7	47.8	0.3	294.0
1.2	10.7	716.1	925.0	23.1	12.4	129.0	9.7	-7.5	6.1	303.0	329.9	9.8	50.8	0.6	321.0
1.9	12.8	954.3	900.0	20.9	11.4	136.9	9.9	-6.5	7.3	303.0	329.0	9.5	54.7	1.0	326.0
2.6	15.0	1197.2	875.0	18.5	10.2	145.5	9.9	-5.6	8.1	303.0	327.6	9.0	58.4	1.4	317.0
3.4	17.0	1445.2	850.0	16.2	9.2	161.1	9.6	-2.8	8.2	303.1	325.8	8.6	63.3	1.9	315.0
4.2	19.3	1698.7	825.0	14.3	8.4	183.8	7.6	0.5	7.6	303.7	323.0	8.4	67.7	2.2	321.0
5.1	21.4	1958.8	800.0	13.5	7.8	211.2	8.7	4.5	7.4	305.6	320.8	8.3	68.1	2.4	329.0
5.9	23.7	2226.5	775.0	13.2	7.0	222.4	8.6	5.8	6.3	303.0	324.5	5.8	46.7	2.6	334.0
6.8	25.9	2501.9	750.0	11.9	0.2	227.8	8.7	6.4	5.9	309.5	324.6	5.2	44.7	2.8	347.0
7.7	28.4	2784.6	725.0	9.6	-1.1	239.7	7.9	6.1	5.1	310.0	324.2	4.9	47.1	3.1	355.0
8.8	30.9	3275.0	700.0	7.6	-1.7	254.3	7.5	6.2	4.2	310.9	325.1	4.9	51.9	3.4	36.0
9.8	33.4	3733.7	675.0	5.2	-3.3	239.0	7.9	6.8	4.1	311.4	324.6	4.4	58.2	3.6	8.0
10.7	35.9	3680.5	650.0	2.4	-2.4	237.9	8.1	6.8	4.3	311.7	326.2	4.9	70.4	3.9	17.0
11.7	38.6	3996.2	625.0	-0.5	-2.7	232.8	8.5	6.7	5.1	311.9	326.6	5.0	80.2	4.3	17.0
12.6	41.1	4321.4	600.0	-3.2	-3.5	232.0	8.0	6.3	4.9	312.5	327.1	5.0	97.8	4.7	21.0
13.6	44.0	4656.9	575.0	-6.5	-7.0	237.8	6.8	5.8	3.6	312.3	324.1	3.9	96.5	5.1	23.0
14.6	46.9	5033.4	550.0	-8.5	-9.4	251.1	6.7	6.3	2.2	314.0	324.8	3.6	97.7	5.4	26.0
15.6	49.9	5362.8	525.0	-12.2	-15.9	253.4	6.9	6.6	2.0	313.7	323.4	2.1	74.6	5.6	29.0
16.8	52.9	5733.7	500.0	-14.1	-17.7	241.6	10.0	8.8	4.8	315.9	317.4	0.4	17.1	6.1	32.0
18.2	55.8	6122.8	475.0	-15.0	-18.7	239.9	9.9	8.6	5.0	314.4	321.0	0.5	18.5	5.9	36.0
19.6	59.1	6430.1	450.0	-16.6	-19.2	259.2	12.0	11.8	2.2	322.3	323.8	0.4	18.6	7.6	39.0
21.0	62.6	6957.8	425.0	-19.2	-38.2	267.4	13.6	13.6	0.5	320.4	325.5	0.3	15.6	8.5	45.0
22.4	64.0	7465.3	400.0	-23.1	-40.0	265.8	13.0	13.0	1.0	324.9	325.9	0.3	17.9	9.4	52.0
24.1	69.7	7874.4	375.0	-26.9	-43.1	264.6	11.9	11.4	3.1	326.0	325.3	0.2	19.0	10.4	53.0
25.7	73.4	8267.3	350.0	-31.7	-45.1	253.7	10.7	10.2	3.0	326.1	326.8	0.2	24.8	11.4	55.0
27.5	77.7	8966.9	325.0	-35.8	-47.5	256.4	11.6	11.2	2.7	327.3	327.9	0.2	26.8	12.5	57.0
29.3	81.7	9437.3	300.0	-40.8	-49.0	256.7	10.3	10.0	2.4	327.8	327.9	99.9	99.9	13.6	58.0
31.2	86.2	10027.0	275.0	-46.5	-50.0	242.5	9.4	8.3	4.3	327.9	327.9	99.9	99.9	14.7	59.0
33.2	91.0	10648.4	250.0	-50.4	-50.4	156.9	8.4	2.5	6.4	331.2	327.9	99.9	99.9	15.7	58.0
35.6	96.2	11328.8	225.0	-54.9	-54.9	229.8	10.2	7.8	6.6	334.4	327.9	99.9	99.9	16.8	56.0
37.9	101.6	12078.6	200.0	-56.7	-56.7	255.7	13.7	12.6	1.0	343.0	327.9	99.9	99.9	18.5	57.0
40.6	108.0	12923.1	175.0	-58.1	-58.1	274.9	24.4	24.3	-2.1	354.1	327.9	99.9	99.9	20.8	52.0
44.0	114.7	13690.3	150.0	-60.6	-60.6	274.5	21.7	21.6	-2.1	365.4	327.9	99.9	99.9	22.9	59.0
48.2	122.3	15028.0	125.0	-58.1	-58.1	253.9	18.5	18.3	-4.9	389.9	327.9	99.9	99.9	29.5	74.0
52.9	139.7	16432.3	100.0	-59.5	-59.5	273.9	9.8	9.7	-0.7	414.7	327.9	99.9	99.9	32.6	78.0
58.9	140.0	18233.5	75.0	-59.7	-59.7	299.8	4.5	3.9	-2.2	447.7	327.9	99.9	99.9	34.6	80.0
67.5	150.3	20000.8	50.0	-54.5	-54.5	92.5	0.9	-0.9	0.0	515.3	327.9	99.9	99.9	34.0	82.0
80.7	161.0	25298.9	25.0	-47.2	-47.2	89.1	9.4	-9.6	-0.1	649.3	327.9	99.9	99.9	29.8	85.0

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* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

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OF POOR QUALITY

STATION NO. 748
GLASGOW, MONTANA11 JUNE 1976
2300 GMT

157 16. 3

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.1	13.4	696.0	920.3	24.4	12.7	350.0	6.2	1.1	-6.1	304.7	332.4	10.1	48.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	15.3	690.4	900.0	21.7	9.0	357.7	5.8	0.2	-5.8	303.9	327.5	8.6	47.1	0.3	176.
1.4	17.5	1133.8	875.0	19.1	8.8	358.4	6.9	0.2	-6.9	303.6	326.3	8.2	51.4	0.6	177.
2.4	20.1	1361.9	850.0	16.6	7.7	349.5	6.2	1.1	-6.1	303.5	325.2	7.8	55.9	1.0	176.
3.4	22.3	1635.3	825.0	14.0	6.7	348.9	6.1	1.2	-6.0	303.4	324.2	7.5	61.3	1.4	175.
4.6	24.9	1894.1	800.0	11.4	6.5	351.1	5.2	0.8	-5.1	303.4	324.5	7.6	71.7	1.6	173.
5.7	27.2	2159.0	775.0	9.2	6.3	359.1	5.1	0.1	-5.1	303.7	325.3	7.8	82.1	2.1	174.
6.7	29.9	2430.4	750.0	8.0	1.0	325.2	3.0	1.5	-2.5	305.3	320.9	5.5	61.0	2.4	173.
7.6	32.6	2710.0	725.0	6.6	-1.3	248.7	0.9	0.8	0.3	306.8	320.6	4.8	56.7	2.4	172.
8.6	35.3	2997.5	700.0	5.2	-3.1	177.2	1.6	-0.1	1.6	308.3	321.0	4.4	55.0	2.3	171.
9.6	37.9	3294.1	675.0	3.8	-5.2	123.6	3.3	-2.7	3.8	309.9	321.3	3.9	52.1	2.3	171.
10.6	40.6	3599.7	650.0	1.6	-7.7	126.3	6.5	-5.2	3.8	310.8	323.7	3.3	50.0	2.1	179.
11.9	43.5	3914.4	625.0	-0.9	-7.5	131.4	7.9	-5.9	5.2	311.4	321.9	3.5	61.1	1.7	193.
13.1	46.5	4237.4	600.0	-2.8	-8.5	140.8	9.8	-6.2	7.6	312.9	325.5	4.2	81.7	1.5	214.
14.4	49.6	4575.9	575.0	-5.2	-8.3	99.9	99.9	99.9	99.9	313.9	324.7	3.6	79.0	99.9	99.9
15.7	52.5	4923.7	550.0	-7.4	-23.0	99.9	99.9	99.9	99.9	315.3	318.6	1.1	27.5	99.9	99.9
16.9	55.6	5284.3	525.0	-10.0	-29.0	99.9	99.9	99.9	99.9	316.4	318.7	0.7	19.5	99.9	99.9
18.2	58.8	5658.2	500.0	-13.2	-29.7	99.9	99.9	99.9	99.9	317.0	319.2	0.6	23.3	99.9	99.9
19.7	62.3	6046.4	475.0	-16.2	-28.1	99.9	99.9	99.9	99.9	317.9	320.6	0.8	34.8	99.9	99.9
21.1	65.6	6450.9	450.0	-19.4	-29.9	178.0	25.6	-0.9	25.6	318.8	321.2	0.7	38.8	6.6	344.
22.6	69.2	6872.9	425.0	-22.8	-37.6	180.2	27.1	0.1	27.1	319.7	321.0	0.3	24.3	9.0	349.
24.1	72.7	7314.3	400.0	-26.3	-38.2	186.4	24.0	2.7	23.9	320.9	322.0	0.3	31.4	11.2	351.
25.4	76.7	7778.3	375.0	-29.2	-41.1	187.5	26.6	3.5	26.4	322.9	323.9	0.3	30.3	13.3	354.
27.3	80.6	8267.2	350.0	-33.5	-45.1	190.3	31.6	5.6	31.1	323.5	324.1	0.1	21.2	16.3	355.
29.2	84.8	8783.1	325.0	-37.7	-49.3	194.1	31.7	7.7	30.8	324.7	325.2	0.1	28.8	19.9	359.
31.1	89.0	9330.4	300.0	-41.5	-59.9	203.4	26.9	10.7	24.7	326.8	99.9	99.9	99.9	22.9	2.
33.1	93.6	9914.6	275.0	-46.5	-66.5	99.9	25.8	14.3	21.4	327.9	99.9	99.9	99.9	25.9	5.
35.3	98.4	10540.2	250.0	-51.6	-69.9	210.2	27.4	13.8	23.7	329.4	99.9	99.9	99.9	29.1	1.
37.6	103.5	11220.6	225.0	-51.1	-69.9	103.9	25.4	6.1	24.7	330.2	99.9	99.9	99.9	32.7	10.
40.5	109.3	11933.2	200.0	-47.7	-69.9	187.8	16.7	2.3	16.5	357.2	99.9	99.9	99.9	36.3	10.
43.7	115.2	12875.9	175.0	-47.8	-69.9	192.2	18.0	3.8	17.6	371.0	99.9	99.9	99.9	39.9	9.
47.2	121.8	13862.8	150.0	-52.7	-69.9	204.2	21.4	8.8	19.6	379.4	99.9	99.9	99.9	43.8	11.
51.6	129.0	15062.8	125.0	-52.4	-69.9	203.4	14.4	5.7	13.3	400.2	99.9	99.9	99.9	48.9	13.
56.8	137.0	16491.0	100.0	-56.5	-69.9	240.6	12.5	10.9	6.1	414.7	99.9	99.9	99.9	54.2	15.
63.4	145.5	18303.0	75.0	-53.5	-69.9	164.4	5.1	-1.2	4.9	450.3	99.9	99.9	99.9	55.1	15.
72.0	155.0	20855.6	50.0	-53.4	-69.9	103.1	4.7	-4.6	1.1	517.6	99.9	99.9	99.9	57.4	14.
85.8	165.5	25407.0	25.0	-45.7	-69.9	92.1	11.2	-11.2	0.4	653.6	99.9	99.9	99.9	56.2	10.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 775
 GREAT FALLS, MONTANA

 11 JUNE 1976
 2305 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES WS	TEMP DG C	DEW PT DG C	CIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PJT T DG K	MX RYO GM/KG	PH DCT	RANGE KM	AZ DG
0.0	16.8	1118.0	879.5	20.6	6.9	230.3	3.1	2.4	2.0	304.7	324.7	7.1	41.0	3.0	0.
99.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	17.3	1161.7	875.0	15.1	3.3	999.3	99.9	99.9	99.9	293.5	314.9	5.6	45.2	99.9	99.9
0.8	19.7	1406.1	850.0	12.5	4.2	995.9	99.9	99.9	99.9	299.2	315.1	6.1	57.1	99.9	99.9
1.4	21.9	1655.6	825.0	10.0	3.1	999.3	99.9	99.9	99.9	299.2	315.3	5.8	42.0	99.9	99.9
2.1	24.4	1910.5	802.0	7.1	3.0	246.4	3.5	3.3	1.4	299.8	315.2	5.9	74.8	0.5	80.
2.9	26.8	2171.0	775.0	5.0	3.5	258.7	4.7	4.6	1.9	299.1	315.7	6.4	90.2	0.7	75.
3.8	29.4	2438.0	753.0	2.5	1.5	245.3	5.3	4.8	2.2	299.3	315.3	5.8	93.6	1.0	77.
4.9	32.0	2712.1	725.0	1.4	0.1	251.2	5.2	4.9	1.7	301.0	315.9	5.3	90.6	1.3	73.
5.8	34.7	2994.8	702.0	0.7	-1.4	258.4	5.9	5.6	1.2	303.2	317.2	4.9	85.9	1.6	74.
6.8	37.2	3286.7	675.0	-0.7	-2.5	264.1	6.9	6.9	0.7	304.8	318.4	4.7	88.1	1.9	75.
7.9	40.1	3597.6	650.0	-2.3	-5.2	269.2	6.5	6.5	0.2	305.4	319.1	4.0	86.4	2.4	78.
9.1	42.8	3899.0	625.0	-3.5	-7.4	259.6	3.8	3.8	0.7	305.4	318.8	3.5	74.3	2.8	79.
10.3	45.7	4200.6	600.0	-6.0	-10.2	237.3	2.5	2.1	1.3	309.2	318.0	2.9	72.0	3.0	78.
11.4	48.8	4553.0	575.0	-7.3	-15.0	246.7	3.0	2.6	1.5	311.5	317.9	2.1	54.0	3.2	77.
12.6	51.6	4898.2	550.0	-9.7	-20.3	235.0	5.0	4.1	2.9	312.5	315.3	0.9	25.1	3.4	76.
13.7	54.9	5255.0	525.0	-13.0	-32.8	192.6	5.8	1.9	5.5	312.9	315.4	0.5	17.2	3.8	72.
15.2	59.0	5676.3	500.0	-13.9	-57.7	145.1	5.8	0.9	5.7	315.1	315.4	0.1	2.7	4.0	65.
16.7	61.4	6013.9	475.0	-16.6	-81.6	216.1	9.0	4.7	6.5	317.4	317.7	0.1	3.0	4.5	60.
18.3	65.0	6417.9	450.0	-19.5	-82.3	276.9	6.0	3.4	7.0	319.7	319.8	0.0	1.0	5.1	57.
19.9	68.6	6840.2	425.0	-22.5	-89.9	225.7	10.0	7.1	7.0	320.1	320.1	0.0	2.2	5.8	55.
21.4	72.0	7282.0	400.0	-26.2	-104.3	220.4	11.3	7.3	8.6	321.0	321.4	0.0	10.3	6.9	53.
23.1	76.0	7745.8	375.0	-29.9	-140.4	201.4	11.9	4.7	11.0	323.1	321.1	0.1	34.7	7.9	53.
24.6	80.0	8233.7	350.0	-33.8	-181.6	190.4	14.1	6.2	14.1	323.2	324.2	0.3	45.1	8.9	45.
26.4	84.2	8748.5	325.0	-36.5	-223.3	162.0	15.2	-2.9	14.9	323.6	324.6	0.3	67.2	9.9	39.
28.3	88.4	9293.6	300.0	-43.0	-289.9	155.4	16.4	-4.8	15.0	323.8	324.6	0.3	99.9	10.9	39.
30.5	93.2	9873.7	275.0	-47.9	-369.9	137.0	19.7	-8.1	15.3	325.9	325.9	0.3	99.9	12.5	22.
32.4	97.8	10497.0	250.0	-51.7	-469.9	131.7	17.7	3.6	17.3	326.2	326.2	0.3	99.9	14.7	19.
34.8	103.0	11171.6	225.0	-55.5	-589.9	199.7	11.3	3.8	10.6	333.5	326.9	0.3	99.9	16.7	19.
37.7	108.8	11929.4	200.0	-51.6	-689.9	196.9	13.0	3.8	12.4	351.0	326.9	0.3	99.9	18.4	18.
40.9	114.8	12604.7	175.0	-48.7	-809.9	192.2	13.0	3.8	12.4	368.5	326.9	0.3	99.9	20.9	18.
44.7	121.5	13184.5	150.0	-49.4	-909.9	192.3	13.5	3.1	13.2	385.0	326.9	0.3	99.9	23.9	18.
49.2	129.0	15010.7	125.0	-56.4	-1099.9	191.9	12.8	2.6	12.5	403.9	326.9	0.3	99.9	27.4	17.
54.1	137.3	16448.3	100.0	-55.1	-1299.9	192.5	12.0	2.6	11.7	421.2	326.9	0.3	99.9	32.0	15.
60.1	146.0	18279.0	75.0	-57.0	-1599.9	162.5	9.5	-8.9	9.0	453.5	326.9	0.3	99.9	34.2	15.
69.5	156.0	20602.1	50.0	-52.8	-2099.9	213.3	0.2	0.1	0.2	510.1	326.9	0.3	99.9	36.5	14.
81.4	166.5	25398.1	25.0	-46.0	-279.9	77.4	8.7	-8.5	-1.9	652.7	326.9	0.3	99.9	36.1	9.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
 MARSHALL SEC. ALABAMA

 11 JUNE 1976
 2355 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	WX RTO GM/HR	RM PCT	RANGE KM	AZ DG
0.0	6.9	180.0	991.8	27.8	21.1	220.0	0.5	0.3	0.4	301.7	344.5	16.1	67.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	8.4	331.5	975.0	28.1	15.1	109.4	0.4	-0.3	0.1	303.4	333.8	11.2	45.3	0.1	39.
1.7	10.5	561.7	950.0	28.3	14.1	241.7	0.8	0.7	0.4	303.9	333.2	10.7	47.1	0.1	36.
2.9	12.8	796.1	925.0	28.1	13.5	246.7	1.2	1.1	0.5	304.0	333.0	10.6	51.4	0.2	52.
3.9	14.1	1035.3	905.0	28.1	12.8	234.5	1.4	1.2	0.8	304.3	332.7	10.4	55.6	0.3	54.
5.0	17.3	1279.3	875.0	19.5	11.3	221.9	1.2	0.8	0.9	304.0	333.6	9.7	59.3	0.3	53.
6.2	19.7	1528.2	850.0	17.2	10.4	220.5	1.3	0.9	1.0	304.1	332.0	9.4	64.6	0.4	50.
7.5	21.9	1782.5	825.0	14.8	10.9	215.7	1.4	0.8	1.2	304.2	331.7	10.0	77.7	0.5	47.
8.8	24.4	2042.4	800.0	12.1	10.5	224.7	1.0	0.7	0.7	304.3	331.8	10.0	88.4	0.6	46.
10.0	26.7	2308.5	775.0	10.4	9.5	250.7	0.5	0.4	0.1	303.0	330.9	9.4	91.5	0.7	47.
11.4	29.2	2581.4	750.0	8.4	8.8	350.0	0.2	0.0	-0.2	303.7	329.9	8.3	89.5	0.7	49.
12.7	31.9	2861.7	725.0	6.9	4.7	348.4	0.9	0.2	-0.9	307.1	329.0	7.4	85.7	0.7	50.
14.0	34.6	3150.0	700.0	5.7	1.0	294.5	1.6	1.0	-0.7	304.9	325.8	5.9	72.1	0.7	60.
15.3	37.1	3448.4	675.0	6.6	-0.9	266.9	3.1	3.1	0.2	313.0	323.2	3.4	37.3	0.8	65.
16.7	40.0	3756.8	650.0	4.3	-11.9	262.0	4.0	4.0	0.6	313.8	321.1	2.4	29.7	1.1	71.
18.2	42.6	4074.6	625.0	2.1	-15.9	263.4	4.0	4.0	0.4	314.8	320.0	1.6	23.0	1.5	74.
19.6	45.4	4402.6	600.0	-7.4	-13.5	258.2	3.2	3.2	0.7	315.4	322.5	2.2	34.8	1.8	76.
21.1	48.5	4741.1	575.0	-1.0	-15.1	254.2	3.4	3.3	0.9	316.5	323.0	2.1	38.6	2.1	76.
22.6	51.4	5092.3	550.0	-7.9	-12.3	255.3	3.7	3.6	0.9	318.4	324.9	2.7	55.9	2.4	75.
24.1	54.5	5456.6	525.0	-7.3	-14.8	267.8	4.2	4.2	0.2	319.7	327.0	2.3	55.0	2.7	76.
25.9	57.6	5836.3	500.0	-8.3	-17.8	258.6	4.6	4.5	0.9	322.9	329.1	1.9	46.6	3.2	72.
27.8	61.0	6232.7	475.0	-10.9	-20.3	250.1	3.8	3.5	1.3	324.5	327.0	0.7	20.1	3.7	72.
29.6	64.5	6647.7	450.0	-12.4	-22.2	257.4	5.3	5.2	1.2	327.6	331.1	1.0	30.5	4.2	77.
31.5	67.9	7081.8	425.0	-15.4	-23.3	257.5	7.5	7.3	1.6	329.3	331.2	0.5	19.7	4.9	77.
33.5	71.3	7536.0	400.0	-19.1	-20.5	253.7	6.9	6.7	1.9	330.2	331.7	0.4	19.5	5.7	77.
35.8	75.3	8012.4	375.0	-21.5	-30.4	257.7	6.8	6.6	1.4	330.5	331.8	0.3	22.4	6.7	77.
37.1	79.2	8512.7	350.0	-21.4	-40.4	271.3	7.4	7.4	-0.2	331.8	332.9	0.3	26.2	7.7	77.
40.7	83.3	1043.8	325.0	-30.1	-51.2	278.5	12.0	9.9	-1.5	333.2	335.6	0.1	10.7	8.9	81.
4.2	87.5	9609.1	300.0	-34.4	-54.3	264.1	12.0	11.9	1.2	334.9	337.2	0.1	11.1	10.5	82.
45.5	92.2	10209.9	275.0	-40.1	99.9	266.2	12.8	12.4	0.9	337.1	339.9	99.9	99.9	12.3	82.
48.4	97.0	10852.8	250.0	-45.2	99.9	264.2	12.9	12.9	0.2	337.9	337.9	99.9	99.9	14.6	83.
51.2	102.2	11549.7	225.0	-49.9	99.9	559.9	99.9	99.9	99.9	342.3	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	200.0	54.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 77001
UNIV. OF TENNESSEE

11 JUNE 1976
1731 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	WIND M/SEC	U COMP M/SEC	V COMP M/SEC	PGT Y DG K	E PGZ DG K	WIND GM/KG	RM PGT	RANGE KM	AZ DG
0.0	7.2	300.0	977.0	25.8	18.5	0.0	0.0	0.0	0.0	301.0	317.0	13.9	64.0	0.0	0.0
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	7.4	318.2	973.0	25.9	18.5	0.0	0.0	0.0	0.0	301.3	318.0	13.9	63.7	0.0	20.0
1.1	9.3	549.0	950.0	26.1	18.4	350.2	1.4	0.2	-1.3	301.7	320.0	14.2	62.0	0.1	130.0
2.0	11.1	782.7	925.0	23.6	16.3	320.3	1.5	0.9	-1.2	303.5	337.0	12.7	63.4	0.1	140.0
3.0	13.1	1021.6	900.0	21.3	14.4	332.9	2.7	1.2	-2.4	303.5	338.0	11.6	64.7	0.3	150.0
4.1	15.1	1265.2	875.0	18.8	12.9	327.9	2.2	1.2	-1.9	303.3	332.6	10.8	68.3	0.4	140.0
5.1	17.0	1413.5	850.0	16.2	11.6	320.8	2.7	1.6	-2.2	303.2	333.0	10.1	73.0	0.6	140.0
6.2	19.1	1767.2	825.0	14.1	10.4	317.7	2.7	1.9	-2.0	303.5	333.1	9.7	78.6	0.8	140.0
7.3	21.0	2026.6	800.0	12.2	8.1	320.3	3.1	1.9	-2.4	304.2	337.7	8.5	75.8	0.9	140.0
		2292.3	775.0	10.0	6.1	298.1	3.8	2.5	-1.6	304.6	326.0	7.7	76.8	1.2	141.0
		2564.7	750.0	7.9	4.0	270.5	3.8	2.0	-0.0	305.2	324.3	6.8	76.1	1.4	134.0
11.0	27.5	2643.9	725.0	6.7	-0.9	264.3	3.2	3.2	0.3	309.9	321.2	5.0	58.6	1.6	126.0
12.2	29.8	3112.1	700.0	6.4	-4.6	295.3	2.2	2.0	-0.9	309.6	321.1	3.9	45.0	1.8	122.0
13.4	32.2	3430.6	675.0	5.9	-3.4	320.7	3.1	1.6	-2.6	312.3	325.4	4.4	51.0	1.9	124.0
14.5	34.7	3710.4	650.0	3.2	-3.3	330.6	3.5	1.4	-3.2	312.5	324.4	4.0	53.9	2.1	127.0
15.8	37.0	4055.1	625.0	1.0	-3.1	352.0	5.8	0.8	-3.7	314.6	323.0	3.1	46.8	2.4	131.0
17.0	39.5	4382.5	600.0	-1.2	-7.6	330.3	5.7	-0.3	-5.7	314.8	325.7	3.6	61.7	2.7	139.0
18.4	41.9	4720.4	575.0	-3.8	-10.3	282.2	5.6	-0.2	-5.6	315.5	324.9	3.2	60.5	3.1	144.0
20.7	44.7	5070.3	550.0	-6.1	-10.4	11.1	5.9	-1.1	-5.8	315.8	327.3	3.4	77.3	3.6	151.0
21.4	47.4	5474.1	525.0	-7.3	-12.5	10.7	4.9	-1.2	-4.8	315.8	327.3	2.8	66.1	3.8	155.0
23.9	50.3	5817.5	500.0	-8.9	-15.7	22.5	6.2	-2.4	-4.8	322.2	329.4	2.3	58.0	4.3	160.0
24.7	53.1	6209.4	475.0	-10.8	-18.5	3.5	7.3	-0.4	-7.1	323.6	330.3	1.7	48.3	4.8	155.0
26.4	56.0	6623.2	450.0	-13.6	-23.5	340.5	6.9	1.4	-6.8	323.1	327.4	1.3	42.8	5.5	155.0
28.2	59.3	7055.1	425.0	-17.3	-27.8	350.9	7.0	1.1	-7.0	325.8	327.3	0.9	30.3	6.3	166.0
30.0	62.6	7507.7	400.0	-19.7	-31.6	344.4	9.4	2.5	-9.0	329.4	331.7	0.7	33.7	7.2	167.0
31.9	65.9	7984.3	375.0	-23.0	-34.4	340.1	11.0	2.7	-11.5	333.2	333.2	0.5	33.0	8.4	159.0
33.6	69.4	8485.9	350.0	-27.0	-37.7	350.8	13.1	1.0	-13.4	333.4	334.0	0.4	25.0	9.7	167.0
35.6	73.0	9015.7	325.0	-31.1	-40.3	352.3	13.7	1.8	-13.5	333.9	335.1	0.3	19.7	11.3	158.0
37.8	77.0	9578.5	300.0	-34.6	-43.8	344.2	14.1	4.2	-15.6	335.4	337.3	0.3	18.9	13.2	158.0
40.0	81.0	10179.2	275.0	-40.0	-48.4	343.3	17.2	5.2	-15.4	337.3	339.0	0.2	30.0	15.4	168.0
42.4	85.0	10721.5	250.0	-46.2	-53.9	342.0	17.5	5.0	-16.5	337.5	339.9	0.9	30.0	17.9	166.0
45.0	90.3	11515.3	225.0	-49.5	-59.3	357.1	16.2	0.8	-16.2	342.6	339.9	0.9	30.0	20.4	157.0
47.7	95.5	12279.0	200.0	-53.6	-64.9	343.1	20.4	7.7	-25.3	344.0	339.9	0.9	30.0	24.2	167.0
49.9	101.0	13127.8	175.0	-54.3	-69.9	352.5	18.8	2.4	-18.6	353.7	339.9	0.9	30.0	28.3	167.0
54.4	107.5	14086.9	150.0	-61.5	-74.9	348.9	23.9	4.0	-22.5	364.2	339.9	0.9	30.0	33.1	168.0
58.3	114.5	15207.4	125.0	-65.8	-80.9	352.3	18.1	2.4	-19.0	375.9	339.9	0.9	30.0	39.0	168.0
63.0	123.0	16561.7	100.0	-67.0	-83.3	337.2	7.4	2.0	-6.9	368.7	339.9	0.9	30.0	40.8	168.0
68.7	133.0	18307.0	75.0	-63.9	-80.9	44.3	5.8	-2.4	-5.3	433.9	339.9	0.9	30.0	42.3	168.0
76.7	144.0	20766.8	50.0	-57.3	-74.5	74.5	5.1	-5.0	-1.1	503.4	339.9	0.9	30.0	42.9	171.0
89.2	157.0	25302.1	25.0	-47.6	-69.9	99.9	99.9	99.9	99.9	647.9	339.9	0.9	30.0	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

164

Sounding Data

12 June 1976

0300 GMT

STATION NO. 349
MONETT, MISSOURI
12 JUNE 1976
257 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	FOT T DG K	E P/T T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	9.3	438.0	760.0	20.8	17.2	17.0	3.1	-0.5	3.1	297.4	331.7	13.0	80.0	0.0	0.
0.9	98.9	99.9	1000.0	99.9	99.9	90.3	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	10.1	529.2	950.0	22.5	13.2	999.9	99.9	99.9	99.9	300.0	327.4	10.2	55.9	999.9	999.9
1.1	12.1	762.3	925.0	22.0	15.0	999.9	99.9	99.9	99.9	302.7	334.3	11.7	61.0	999.9	999.9
1.9	14.4	1000.9	900.0	20.9	13.9	196.3	11.0	3.2	10.5	303.1	337.5	11.2	64.3	1.3	12.
2.7	16.4	1244.1	875.0	18.6	13.1	199.5	11.4	3.8	10.7	303.2	332.9	10.9	70.2	1.6	14.
3.6	18.7	1492.4	850.0	16.2	12.1	201.2	10.8	3.9	10.0	303.2	331.9	10.5	76.6	2.4	16.
4.4	20.8	1748.3	825.0	20.1	0.0	196.1	10.1	2.8	9.7	309.8	324.1	4.9	28.3	2.9	17.
5.3	23.3	2013.3	800.0	19.4	4.9	193.4	8.0	1.9	7.7	311.9	321.6	6.8	38.5	3.1	16.
6.1	25.6	2285.7	775.0	17.7	3.5	193.3	5.2	1.2	5.1	312.9	321.5	6.4	30.1	3.7	16.
7.0	28.1	2564.9	750.0	15.4	4.2	199.8	0.9	0.6	1.9	313.3	333.5	6.9	47.1	3.9	16.
7.9	30.6	2851.6	725.0	13.3	3.2	94.9	0.9	-0.9	0.1	314.0	333.5	6.7	50.5	3.9	16.
8.9	33.2	3186.1	700.0	11.3	0.2	53.4	3.7	-3.0	-2.2	315.0	331.5	5.6	45.3	3.8	15.
9.9	35.9	3459.1	675.0	9.1	-3.5	59.2	5.5	-4.7	-2.9	315.8	329.0	4.4	40.7	3.6	12.
11.0	38.4	3760.2	650.0	6.3	-5.2	69.1	6.9	-6.5	-2.5	316.1	328.2	4.0	43.5	3.3	6.
12.0	41.0	4080.3	625.0	3.6	-6.5	77.2	6.4	-6.3	-1.4	316.6	329.1	3.8	47.4	3.2	359.
13.2	43.9	4410.3	600.0	0.9	-8.2	97.7	3.6	-3.6	-0.1	317.1	327.7	3.5	50.7	3.2	352.
14.2	46.9	4750.7	575.0	-2.1	-10.4	183.8	2.0	0.1	2.0	317.5	326.8	3.0	52.7	3.3	350.
15.5	49.9	5102.6	550.0	-5.5	-11.0	219.5	5.5	4.7	2.9	317.6	326.9	3.0	54.8	3.4	353.
16.7	52.8	5459.4	525.0	-4.3	-24.7	258.7	7.8	7.7	1.5	323.2	326.5	1.0	18.6	3.6	2.
17.9	55.8	5851.8	500.0	-7.1	-23.9	279.3	7.5	7.4	-1.2	324.4	328.1	1.1	24.8	3.7	11.
19.2	59.1	6249.2	475.0	-9.6	-22.6	279.3	5.4	5.4	-0.9	326.1	330.5	1.3	33.8	3.7	18.
20.5	62.6	6664.5	450.0	-12.6	-30.4	269.9	9.6	9.5	0.0	327.4	329.7	0.7	13.8	3.8	24.
21.8	65.9	7098.6	425.0	-14.2	-36.0	249.7	12.1	11.4	4.2	330.7	332.2	0.4	14.7	4.4	36.
23.5	69.7	7556.4	400.0	-17.2	-37.7	246.1	11.4	10.4	4.6	332.7	334.0	0.4	14.7	5.5	42.
25.3	73.3	8016.3	375.0	-21.6	-41.9	240.4	12.7	11.1	4.3	333.0	333.0	0.3	14.0	6.7	46.
26.9	77.3	8540.5	350.0	-25.9	-43.2	242.7	14.6	13.0	6.7	333.9	334.8	0.2	17.7	7.9	49.
28.7	81.2	9072.2	325.0	-30.3	-46.3	251.1	15.0	14.2	4.8	334.9	335.6	0.2	19.1	9.5	51.
30.4	85.5	9635.9	300.0	-35.2	-49.5	269.3	14.5	16.5	0.3	335.8	336.4	0.1	21.3	10.9	55.
32.3	90.0	10236.3	275.0	-39.5	-50.1	270.2	24.6	24.6	-0.1	338.1	338.6	0.1	30.9	12.9	61.
34.5	94.8	10892.9	250.0	-43.4	99.9	272.1	30.7	30.6	-1.1	341.5	999.9	99.9	999.9	16.1	68.
37.1	99.8	11584.0	225.0	-48.4	99.9	279.3	31.5	31.1	-5.1	344.4	999.9	99.9	999.9	20.5	74.
40.0	105.0	12353.4	200.0	-52.5	99.9	287.4	32.8	31.3	-5.8	349.7	999.9	99.9	999.9	25.5	80.
43.0	110.9	13206.2	175.0	-56.0	99.9	286.2	28.1	26.9	-7.9	354.2	999.9	99.9	999.9	30.7	85.
46.3	117.0	14163.6	150.0	-61.3	99.9	284.9	22.9	22.1	-5.9	361.1	999.9	99.9	999.9	35.2	88.
49.8	124.0	15264.3	125.0	-69.6	99.9	279.7	10.4	10.2	-1.8	369.9	999.9	99.9	999.9	39.9	89.
54.0	131.7	16598.9	100.0	-71.8	99.9	287.9	12.5	11.0	-3.8	384.9	999.9	99.9	999.9	42.3	91.
59.3	140.0	18318.7	75.0	-67.5	99.9	294.3	2.1	1.9	-0.9	431.3	999.9	99.9	999.9	44.2	92.
67.3	149.0	20818.7	50.0	-67.9	99.9	45.3	1.3	-0.9	-0.9	507.1	999.9	99.9	999.9	42.7	91.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 429
DAYTON, OHIO

12 JUNE 1976
200 GMT

TIME MIN	ONCT	HEIGHT GPM	PRES MB	TEMP DC C	DEW PT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.8	298.0	976.4	25.6	15.5	225.0	2.6	1.8	1.8	300.8	331.7	11.5	54.0	0.0	0.
0.9	99.9	99.9	1000.0	25.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	7.9	310.7	975.0	25.9	16.1	241.7	9.0	7.9	4.3	301.3	333.4	11.9	54.7	0.2	28.
0.9	10.2	540.7	950.0	26.7	16.0	245.5	12.1	11.0	5.0	304.3	337.4	12.2	51.8	0.6	56.
1.0	12.3	775.8	925.0	24.8	14.4	257.3	9.7	9.5	2.1	304.7	335.5	11.3	52.4	1.1	63.
2.7	14.6	1015.7	900.0	22.9	13.3	272.3	8.7	8.7	-0.3	305.1	336.7	10.8	54.8	1.6	69.
3.6	16.7	1251.1	875.0	21.6	12.5	288.8	7.1	6.7	-2.3	305.3	335.4	10.5	56.2	2.0	75.
4.6	18.2	1511.9	850.0	19.1	11.5	306.6	7.8	6.2	-4.6	306.2	334.2	10.1	61.8	2.3	82.
5.4	21.4	1708.2	825.0	17.2	11.2	323.8	8.0	4.7	-6.5	306.8	335.2	10.2	67.9	2.6	90.
6.4	24.0	2030.3	800.0	14.8	8.9	334.7	8.6	3.7	-7.8	306.9	333.1	9.0	67.9	2.8	98.
7.3	26.3	2298.7	775.0	13.2	6.0	333.4	8.5	2.4	-8.2	308.0	329.6	7.6	61.9	3.1	106.
8.4	28.9	2573.9	750.0	11.3	2.2	352.2	6.1	0.8	-6.1	308.8	326.1	6.0	53.7	3.4	113.
9.4	31.6	2856.9	725.0	10.4	-7.3	3.4	4.5	-0.3	-4.4	310.9	320.1	3.1	28.0	3.8	118.
10.5	34.3	3147.4	700.0	7.6	-8.1	10.7	6.1	-1.1	-6.0	310.9	319.9	3.0	31.9	3.6	122.
11.5	36.8	3445.9	675.0	5.3	-6.7	5.0	8.5	-0.7	-8.4	311.6	321.9	3.4	41.4	3.8	129.
12.4	39.6	3752.9	650.0	2.4	-6.2	4.9	9.2	-0.8	-9.2	311.7	322.8	3.7	53.2	4.1	134.
13.5	42.3	4068.5	625.0	-0.2	-9.2	3.6	8.8	-1.6	-8.8	312.0	321.5	3.1	53.8	4.5	140.
14.7	45.3	4384.6	600.0	-1.8	-10.6	356.9	8.7	0.5	-8.7	314.0	322.7	2.8	51.1	5.0	145.
15.8	48.4	4731.9	575.0	-3.8	-29.3	1.1	8.8	-0.2	-8.8	315.6	317.7	0.5	12.2	5.5	148.
17.0	51.3	5082.2	450.0	-4.6	-33.2	354.4	8.8	0.9	-8.8	319.7	320.1	0.4	8.4	6.0	151.
18.2	54.5	5447.1	325.0	-6.5	-35.1	339.8	10.3	3.6	-9.7	320.7	322.0	0.4	8.1	6.8	153.
19.6	57.6	5826.8	500.0	-8.7	-38.0	331.3	9.4	4.5	-8.3	323.4	323.4	0.3	7.2	7.6	153.
21.0	61.0	6221.8	475.0	-11.7	-41.2	335.0	8.6	3.6	-7.8	323.5	324.3	0.2	6.5	8.3	153.
22.4	64.6	6623.9	450.0	-14.6	-40.9	350.3	8.8	1.5	-8.7	326.7	325.8	0.2	8.5	9.0	154.
23.8	68.0	7044.2	425.0	-17.4	-41.7	344.0	9.6	2.7	-9.2	326.7	327.5	0.2	9.9	9.8	155.
25.4	71.7	7515.1	400.0	-21.4	-36.5	343.1	10.7	3.1	-10.2	327.2	328.7	0.4	24.8	10.7	156.
27.0	75.6	7987.7	375.0	-25.1	-35.7	341.5	10.0	3.2	-9.5	328.4	330.1	0.5	36.1	11.7	156.
28.8	79.7	8485.1	350.0	-29.2	-34.7	344.5	10.4	2.8	-10.0	329.4	333.8	0.4	39.1	12.7	157.
30.6	83.8	9010.1	325.0	-33.5	-41.5	329.5	12.8	6.5	-11.0	330.5	331.6	0.3	44.2	14.1	157.
32.6	88.2	9567.3	300.0	-38.1	-47.2	312.6	13.7	10.1	-9.3	331.7	332.3	0.2	37.6	15.6	158.
34.7	92.8	10140.5	275.0	-42.7	99.0	322.5	12.8	10.8	-6.9	331.4	999.9	99.9	999.9	17.2	153.
37.1	97.6	10796.7	250.0	-48.1	99.9	295.4	12.2	11.0	-5.2	334.6	999.9	99.9	999.9	18.6	150.
40.0	103.0	11482.0	225.0	-53.6	99.7	258.4	11.6	10.2	-5.5	336.4	999.9	99.9	999.9	20.7	146.
42.8	108.6	12234.0	200.0	-56.6	99.9	307.8	20.7	16.4	-12.7	343.2	999.9	99.9	999.9	22.9	143.
45.0	114.5	13077.0	175.0	-56.3	99.9	315.8	19.4	13.5	-13.9	353.7	999.9	99.9	999.9	27.1	141.
49.5	121.0	14041.4	150.0	-61.2	99.9	325.3	22.1	12.6	-18.2	364.7	999.9	99.9	999.9	31.6	142.
53.5	128.3	15169.6	125.0	-63.8	99.9	325.1	17.0	10.4	-13.4	379.6	999.9	99.9	999.9	35.0	142.
58.6	136.3	16527.7	100.0	-64.0	99.9	299.0	13.3	11.7	-6.5	403.1	999.9	99.9	999.9	39.1	141.
65.0	144.3	18286.7	75.0	-63.9	99.9	311.0	4.5	3.4	-2.9	439.0	999.9	99.9	999.9	41.9	140.
73.7	153.0	20798.8	50.0	-57.3	99.9	69.0	5.2	-4.8	-1.9	508.6	999.9	99.9	999.9	42.6	142.
87.9	162.5	25265.6	25.0	-49.8	99.9	56.1	9.5	-7.9	-5.3	641.7	999.9	99.9	999.9	41.5	148.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

12 JUNE 1976
203 GMT

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.6	175.0	989.9	25.0	12.6	180.3	3.6	0.0	3.6	299.0	324.1	5.3	46.0	0.0	0.
99.9	99.9	1009.0	1009.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	10.0	308.4	975.0	24.6	14.3	180.5	7.9	0.9	7.9	299.9	328.3	10.6	52.7	0.3	5.
1.7	12.3	535.7	950.0	22.5	13.7	186.9	9.1	1.1	9.0	300.0	328.1	10.5	57.8	0.8	6.
2.4	14.4	767.3	925.0	20.9	12.6	177.6	6.2	-0.3	6.2	300.7	327.7	10.0	59.0	1.1	6.
3.5	16.7	1003.9	900.0	18.9	12.1	147.1	4.8	-2.6	4.0	301.0	328.2	10.0	65.2	1.4	1.
4.2	18.9	1245.7	875.0	17.5	10.5	133.4	4.7	-3.4	3.2	302.0	327.1	9.2	63.5	1.6	356.
5.2	21.3	1493.2	850.0	16.5	5.4	128.9	3.4	-2.6	2.1	303.4	322.0	6.6	47.9	1.7	350.
5.9	23.5	1747.4	825.0	15.3	1.8	124.8	2.2	-1.8	1.3	305.8	321.0	5.3	37.8	1.8	347.
7.0	26.0	2008.4	800.0	14.0	-0.9	70.5	1.7	-1.6	-0.6	307.2	320.2	4.4	39.0	1.9	345.
7.4	28.3	2275.9	775.0	12.4	-1.5	67.6	2.2	-2.0	-0.8	307.1	320.0	4.4	38.0	1.9	341.
9.0	30.9	2540.5	750.0	9.8	-1.9	80.5	2.8	-2.8	-0.5	307.2	319.5	3.8	37.9	1.9	336.
10.0	33.6	2829.9	725.0	7.4	-9.2	98.9	2.1	-2.0	0.2	307.6	315.7	2.7	30.6	1.9	332.
11.1	36.2	3117.8	700.0	5.8	-23.5	86.7	1.7	-1.7	-0.1	308.9	311.6	0.8	10.0	2.0	329.
12.0	38	3414.3	675.0	4.4	-32.6	40.6	1.6	-1.1	-1.2	310.5	311.8	0.4	4.8	2.0	327.
13.2	41.1	3720.1	650.0	2.4	-70.7	358.4	2.8	0.1	-2.8	311.6	313.3	0.5	7.0	1.9	324.
14.1	44.1	4035.1	625.0	-0.4	-20.2	340.2	3.3	0.6	-3.3	312.0	315.9	1.2	20.6	1.7	320.
15.3	47.1	4360.3	600.0	-24.2	-33.0	326.0	2.5	1.3	-2.1	313.6	314.9	0.4	7.3	1.5	317.
16.6	50.1	4696.8	575.0	-44.4	-46.9	286.1	3.2	3.1	-0.9	314.9	315.3	0.1	2.0	1.4	319.
17.8	53.0	5045.4	550.0	-66	-52.1	279.3	5.3	5.3	-0.9	316.3	316.5	0.1	1.3	1.1	329.
19.2	56.1	5407.7	525.0	-86.6	-38.9	261.1	6.6	6.6	1.0	318.1	319.2	0.3	8.0	0.9	358.
20.4	59.1	5784.5	500.0	-107	-34.7	243.5	5.5	5.2	1.9	320.0	323.6	0.1	4.1	1.1	20.
21.9	62.4	6176.8	475.0	-134.3	-54.2	281.4	4.2	4.1	-0.8	321.6	321.8	0.1	2.0	1.4	34.
23.4	66.0	6596.4	450.0	-15.9	-45.2	316.6	4.1	2.8	-6.1	323.3	323.8	0.1	5.9	1.5	47.
24.8	69.3	7014.8	425.0	-14.8	-31.4	310.4	8.4	5.8	-6.1	324.9	327.2	0.6	31.7	1.5	67.
26.3	72.9	7463.9	400.0	-22.0	-37.6	313.6	8.9	6.5	-6.2	326.5	327.8	0.4	22.6	2.0	90.
28.0	76.7	7935.4	375.0	-25.8	-75.8	311.6	9.8	7.3	-6.5	327.4	329.1	0.5	38.3	2.6	102.
29.5	80.7	8430.2	350.0	-30.9	-35.8	314.8	11.3	8.0	-7.9	327.2	329.0	0.5	61.8	3.6	110.
31.5	84.7	8951.6	325.0	-34.4	-40.4	310.6	13.4	14.0	-12.0	328.2	329.9	0.2	28.5	5.3	117.
33.7	88.8	9506.4	300.0	-38.4	-45.6	317.9	15.4	14.3	-15.9	331.3	331.5	0.1	12.6	7.9	123.
35.8	93.4	10099.3	275.0	-42.8	-49.9	320.0	20.6	19.0	-22.7	333.2	333.9	99.9	99.9	11.0	128.
38.4	98.2	10734.8	250.0	-47.8	-54.8	321.9	29.4	19.2	-23.2	335.0	335.9	99.9	99.9	15.7	132.
41.7	103.2	11420.7	225.0	-53.7	-59.9	314.2	26.4	19.0	-18.4	336.2	336.9	99.9	99.9	21.1	134.
44.9	108.8	12170.3	200.0	-56.4	-59.9	303.4	30.9	25.2	-17.7	343.5	343.5	99.9	99.9	26.6	132.
48.1	114.5	13015.1	175.0	-59.3	-59.9	321.7	28.6	14.4	-20.9	352.1	352.1	99.9	99.9	32.4	132.
51.9	121.0	13963.6	150.0	-64.6	-59.9	307.7	21.3	16.9	-13.0	359.8	359.8	99.9	99.9	37.6	133.
56.4	128.3	15069.2	125.0	-65.7	-59.9	300.5	14.6	12.4	-7.4	376.1	376.1	99.9	99.9	42.9	132.
61.9	136.5	16417.1	100.0	-67.3	-59.9	300.0	5.6	1.5	-5.3	397.7	397.7	99.9	99.9	46.0	131.
69.0	145.0	18164.0	75.0	-64.0	99	302.8	0.5	-0.3	0.4	438.7	438.7	99.9	99.9	47.0	131.
78.4	154.5	20693.1	50.0	-57.4	7	73.5	4.7	-4.5	-1.3	508.3	508.3	99.9	99.9	46.6	133.
95.6	165.0	25179.1	25.0	-48.0	77	111.7	13.0	-12.1	4.8	546.5	546.5	99.9	99.9	40.9	142.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS12 JUNE 1976
215 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES WB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCY	RANGE KM	AZ DG
0.0	13.5	791.0	912.9	28.3	14.9	160.3	10.3	-3.5	9.7	309.4	342.2	11.8	44.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.5	14.6	917.2	900.0	27.0	12.8	164.7	21.0	-5.5	20.2	309.4	338.6	10.4	41.5	0.6	342.
1.2	16.6	1166.3	875.0	26.5	13.0	167.1	22.5	-5.0	22.0	311.3	341.8	10.8	43.2	1.4	344.
2.2	18.9	1420.8	850.0	23.6	11.0	178.1	25.2	-0.8	25.2	310.9	338.5	9.8	45.1	2.7	348.
3.0	21.1	1431.2	825.0	23.6	3.7	186.3	26.5	2.9	26.3	313.5	331.4	6.1	27.5	4.1	353.
4.0	23.5	1949.5	800.0	22.7	5.3	196.7	21.7	6.2	20.8	315.3	336.0	7.1	32.6	5.4	357.
5.1	25.8	2224.9	775.0	20.5	6.6	198.2	22.5	7.1	21.4	315.9	339.1	7.9	40.4	6.7	2.
6.1	28.1	2577.0	750.0	18.1	6.0	198.3	20.5	6.4	19.5	316.2	339.1	7.8	45.0	8.1	5.
7.2	30.7	2796.3	725.0	15.5	4.0	201.1	19.8	7.1	18.5	316.4	337.2	7.1	46.2	9.4	7.
8.3	33.3	3092.6	700.0	12.6	2.7	204.7	18.3	7.7	16.7	316.4	336.1	6.7	51.0	10.7	9.
9.5	35.8	3397.0	675.0	10.1	1.4	209.8	19.4	9.7	16.9	317.0	335.7	6.3	54.7	11.7	10.
10.4	38.4	3709.6	650.0	7.3	-1.8	214.3	20.0	11.3	16.5	317.2	332.7	5.2	52.2	12.9	12.
11.4	40.9	4030.9	625.0	4.4	-3.6	218.8	17.8	11.1	13.8	317.5	331.7	4.7	56.0	13.9	14.
12.4	43.8	4361.7	600.0	1.1	-4.2	217.8	17.6	10.8	13.9	317.4	331.5	4.7	57.8	14.8	16.
13.5	46.7	4702.3	575.0	-2.5	-5.6	217.2	16.9	10.2	13.5	317.1	330.4	4.4	79.3	15.9	17.
14.7	49.6	5053.6	550.0	-5.3	-9.4	223.5	14.7	10.1	12.3	317.9	328.5	3.5	73.1	17.0	19.
16.0	52.5	5417.5	525.0	-7.3	-33.7	221.2	15.7	13.8	7.6	319.7	321.2	0.4	10.3	18.0	21.
17.3	55.5	5795.9	500.0	-10.0	-36.7	228.4	17.4	16.2	6.4	320.8	322.0	0.3	9.1	19.0	24.
18.7	58.6	6189.0	475.0	-12.9	-41.4	231.5	16.8	15.9	5.3	323.0	322.8	0.2	7.0	19.9	27.
20.2	62.0	6599.3	450.0	-15.4	-42.8	239.7	14.2	15.7	9.2	323.9	324.6	0.2	7.4	21.2	29.
21.6	65.3	7028.3	425.0	-18.5	-45.3	232.2	22.1	17.4	13.5	325.2	325.8	0.2	7.4	22.7	31.
23.1	68.7	7478.4	400.0	-21.4	-47.3	226.1	26.5	19.1	18.4	327.2	327.7	0.1	7.5	24.8	33.
24.6	72.2	7950.7	375.0	-25.0	-50.9	226.8	24.7	19.0	16.9	328.5	328.9	0.1	6.9	27.9	34.
26.1	76.0	8448.5	350.0	-28.0	-51.7	225.4	31.3	22.3	22.0	331.0	331.3	0.1	6.2	29.4	35.
27.8	80.1	8976.5	325.0	-32.0	-50.7	217.8	36.5	22.3	28.8	332.6	333.1	0.1	13.5	33.1	36.
29.6	84.2	9536.0	300.0	-37.1	-55.6	222.0	34.5	23.1	25.6	333.2	333.4	0.1	12.4	36.9	36.
31.4	88.3	10131.3	275.0	-42.0	-59.9	228.6	39.1	27.0	23.9	338.4	339.9	99.9	999.9	41.5	37.
33.0	93.0	10769.8	250.0	-46.6	99.9	229.4	50.5	38.3	22.8	336.7	339.9	99.9	999.9	46.4	38.
34.2	97.8	11469.4	225.0	-47.2	99.9	239.4	48.6	41.4	25.4	346.1	347.9	99.9	999.9	53.1	40.
36.0	103.2	12241.7	200.0	-52.0	99.9	241.3	58.4	51.2	28.0	350.4	350.9	99.9	999.9	61.3	43.
42.0	109.0	13099.7	175.0	-57.1	99.9	244.1	44.1	39.6	19.3	355.7	355.9	99.9	999.9	69.6	46.
45.1	115.3	14068.3	150.0	-60.9	99.9	234.5	20.7	16.8	12.0	365.1	365.1	99.9	999.9	76.2	47.
48.8	122.3	15179.2	125.0	-68.1	99.9	228.1	26.5	15.7	17.7	371.6	371.6	99.9	999.9	80.9	47.
52.9	130.3	16517.1	100.0	-68.6	99.9	242.1	21.4	18.9	10.0	395.2	395.9	99.9	999.9	87.2	48.
58.7	139.0	18264.6	75.0	-63.6	99.9	174.8	6.0	-0.5	6.0	439.7	439.9	99.9	999.9	90.5	48.
67.1	148.3	20783.9	50.0	-59.0	99.9	85.5	1.3	-1.3	-0.1	504.6	504.9	99.9	999.9	91.4	47.
86.8	158.0	25219.5	25.0	-48.7	99.9	69.8	13.8	-13.0	-4.8	644.6	644.9	99.9	999.9	97.0	45.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
DENVER, COLORADO12 JUNE 1976
200 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	21.9	1611.0	827.0	20.8	-5.9	270.0	12.9	12.9	0.0	310.4	319.3	3.0	16.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.1	22.1	1631.9	825.0	19.9	-6.8	269.0	14.7	14.7	0.2	309.7	318.0	2.8	15.7	0.5	88.
0.8	24.6	1695.4	800.0	17.5	-7.7	268.7	16.7	16.7	0.4	309.8	317.9	2.7	17.2	0.7	59.
1.5	27.0	2164.7	775.0	14.6	-9.0	267.2	21.4	21.4	1.1	309.5	317.1	2.5	18.6	1.6	88.
2.5	29.7	2440.3	750.0	12.0	-9.6	262.2	20.5	20.5	2.8	309.6	317.1	2.5	21.0	2.9	67.
3.4	32.3	2722.7	725.0	9.7	-11.2	254.2	15.6	15.0	4.2	310.1	317.0	2.2	21.6	3.9	85.
4.5	35.1	3013.1	700.0	8.3	-12.5	243.3	13.9	12.4	6.2	311.6	318.1	2.1	21.4	4.8	82.
5.5	37.6	3312.2	675.0	5.7	-13.7	232.4	13.6	10.8	8.3	312.1	319.2	2.0	23.1	5.5	78.
6.4	40.3	3619.4	650.0	3.1	-14.7	229.5	13.5	10.3	8.7	312.5	319.3	1.9	25.5	6.2	75.
7.4	43.1	3935.4	625.0	0.2	-16.4	222.0	12.8	8.5	9.5	312.7	319.0	1.7	27.5	6.9	72.
8.6	45.0	4260.8	600.0	-2.6	-17.4	209.7	13.5	6.7	11.7	313.1	318.2	1.6	30.8	7.5	68.
9.7	49.1	4596.6	575.0	-5.6	-19.1	196.3	13.7	3.8	13.1	313.4	318.5	1.5	33.5	8.3	63.
10.9	52.0	4947.3	550.0	-8.5	-20.1	188.8	13.4	2.0	13.2	314.0	318.5	1.4	38.4	9.0	58.
12.2	55.1	5301.8	525.0	-12.1	-20.6	189.4	12.7	2.1	12.6	313.9	318.4	1.4	49.0	9.6	54.
13.5	59.1	5672.7	500.0	-15.6	-21.6	185.0	13.1	1.1	13.1	314.1	318.4	1.4	59.8	10.4	50.
14.9	61.5	6057.6	475.0	-16.9	-22.2	176.7	13.0	-0.8	13.0	314.5	318.7	1.4	75.2	11.1	45.
16.4	65.0	6457.8	450.0	-22.2	-25.7	176.5	12.0	-0.7	12.0	315.3	318.7	1.0	73.2	11.9	41.
17.8	68.4	6875.7	425.0	-26.0	-28.8	165.2	13.1	1.2	12.0	315.6	318.4	0.9	77.1	12.7	38.
19.3	71.9	7311.0	400.0	-30.1	-31.8	149.7	14.4	2.4	14.2	315.9	319.1	0.7	84.6	13.8	36.
21.0	75.8	7767.7	375.0	-32.7	-39.2	198.5	18.0	5.7	17.1	318.3	319.5	0.3	51.5	15.3	33.
22.7	79.8	8252.3	350.0	-34.7	-45.2	211.4	24.7	12.9	21.1	322.0	322.7	0.2	33.0	17.3	33.
24.3	84.0	8766.8	325.0	-37.8	-52.1	212.1	36.8	19.6	31.1	324.6	325.0	0.1	20.5	20.3	32.
26.1	89.2	9316.0	300.0	-40.1	99.9	213.1	61.5	22.7	34.7	328.9	999.9	99.9	999.9	24.6	33.
28.1	92.8	9907.0	275.0	-42.9	99.9	202.2	16.9	14.0	34.2	333.1	999.9	99.9	999.9	29.3	32.
30.9	97.6	10544.5	250.0	-46.7	99.9	200.5	16.8	12.9	34.5	336.7	999.9	99.9	999.9	35.1	30.
33.3	102.6	11245.4	225.0	-45.6	99.9	216.7	13.5	20.0	26.8	348.6	999.9	99.9	999.9	43.2	30.
36.1	109.3	12024.9	200.0	-48.4	99.9	220.4	10.4	19.8	23.6	356.2	999.9	99.9	999.9	45.8	31.
39.1	114.3	12902.5	175.0	-49.9	99.9	208.4	26.8	12.8	23.6	367.5	999.9	99.9	999.9	50.6	31.
42.6	120.8	13903.0	150.0	-53.9	99.9	220.5	24.3	18.4	21.5	377.2	999.9	99.9	999.9	56.2	31.
46.3	128.3	15066.7	125.0	-55.2	99.9	220.7	16.1	10.5	12.2	395.1	999.9	99.9	999.9	61.5	32.
50.5	136.3	16469.5	100.0	-63.8	99.9	229.6	10.6	8.1	6.9	404.4	999.9	99.9	999.9	64.8	33.
56.1	144.7	18332.8	75.0	-63.0	99.9	95.4	3.2	-3.2	0.3	440.9	999.9	99.9	999.9	66.1	33.
65.6	154.5	20777.5	50.0	-56.9	99.9	98.0	5.8	-5.8	0.2	509.5	999.9	99.9	999.9	65.6	31.
80.5	164.7	25237.6	25.0	-51.3	99.9	78.1	8.4	-8.2	-1.7	637.5	999.9	99.9	999.9	62.8	27.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 476
GRAND JUNCTION, COLORADO12 JUNE 1976
223 GMT

TIME MIN	QNTCT	HEIGHT GDM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX PTO CM/KG	RH PCT	RANGE KM	4Z DG
0.0	19.8	1472.0	847.2	17.8	-4.8	260.0	5.2	6.1	1.1	305.1	314.4	3.2	21.0	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
04.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
05.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
06.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
07.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
08.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
10.9	21.7	1698.4	825.0	16.1	-3.4	999.9	99.9	99.9	99.9	305.6	316.2	3.6	26.0	999.9	999.9
11.9	24.2	1958.7	820.0	14.0	-3.9	999.9	99.9	99.9	99.9	306.0	315.7	3.3	30.7	999.9	999.9
12.9	26.5	2225.0	775.0	11.3	-5.3	999.9	99.9	99.9	99.9	306.0	315.7	3.3	30.7	999.9	999.9
13.9	29.1	2497.4	750.0	8.7	-6.1	999.9	99.9	99.9	99.9	306.1	315.6	3.2	34.5	999.9	999.9
14.9	31.8	2776.4	725.0	5.9	-6.3	999.9	99.9	99.9	99.9	306.0	315.6	3.3	34.5	999.9	999.9
15.9	34.4	3062.7	700.0	3.6	-6.9	241.2	9.9	8.7	4.8	306.5	316.1	3.3	46.1	3.0	70.
16.9	37.0	3356.4	675.0	1.5	-11.1	240.2	11.3	9.8	5.4	307.3	314.6	2.4	38.5	3.8	60.
17.9	39.8	3658.9	650.0	-1.3	-13.0	238.4	11.0	9.4	5.8	307.5	314.1	2.2	40.2	4.6	67.
18.9	42.4	3969.8	625.0	-4.6	-15.3	233.4	10.2	8.2	6.1	307.2	312.9	1.9	42.8	5.3	66.
19.9	45.4	4289.6	600.0	-7.3	-16.4	229.4	9.6	7.3	6.2	307.6	313.0	1.8	48.1	5.8	61.
20.9	48.4	4615.5	575.0	-10.1	-17.3	224.8	10.4	7.3	7.4	308.1	313.4	1.7	55.5	6.4	63.
21.9	51.3	4960.1	550.0	-13.6	-16.3	235.5	10.1	7.1	7.1	309.0	314.0	1.9	79.9	7.1	61.
22.9	54.4	5312.5	525.0	-15.9	-16.6	235.5	10.1	8.3	5.7	309.3	315.4	2.0	94.4	7.7	60.
23.9	57.5	5678.5	500.0	-19.0	-19.7	234.3	10.5	8.5	6.1	309.9	314.8	1.6	94.1	8.4	60.
24.9	60.9	6058.2	475.0	-21.6	-22.5	230.0	11.3	8.6	7.3	311.2	315.4	1.3	92.6	9.2	59.
25.9	64.3	6454.6	450.0	-24.6	-26.5	249.5	13.5	12.6	4.7	312.4	315.5	1.0	84.2	10.4	58.
26.9	67.7	6867.6	425.0	-28.3	-32.7	263.5	15.2	15.1	1.7	312.8	314.7	0.6	65.4	11.9	61.
27.9	71.1	7299.6	400.0	-31.4	-39.4	268.7	14.2	14.2	0.3	314.2	315.3	0.3	44.7	13.5	64.
28.9	75.0	7753.4	375.0	-34.8	-44.6	272.1	14.1	14.0	-0.5	315.5	314.2	0.2	35.0	14.9	67.
29.9	79.0	8230.6	350.0	-39.4	-48.4	282.0	11.4	11.1	-2.4	315.6	316.1	0.1	27.3	15.8	69.
30.9	82.8	8733.1	325.0	-44.0	-52.9	303.7	9.6	8.0	-5.3	316.0	999.9	99.9	999.9	16.6	71.
31.9	87.0	9265.7	300.0	-47.6	-59.9	290.2	10.6	9.9	-3.7	318.2	999.9	99.9	999.9	17.3	74.
32.9	91.6	9840.3	275.0	-48.9	-66.9	263.2	7.7	7.6	0.9	324.4	999.9	99.9	999.9	18.7	76.
33.9	96.2	10467.8	250.0	-46.2	-62.9	241.4	10.2	16.8	9.2	337.4	999.9	99.9	999.9	20.4	75.
34.9	101.2	11175.8	225.0	-43.0	-59.9	233.9	22.9	18.5	13.5	352.6	999.9	99.9	999.9	23.6	72.
35.9	106.8	11965.8	200.0	-44.9	-59.9	238.2	21.9	16.6	11.4	361.7	999.9	99.9	999.9	27.6	70.
36.9	112.5	12858.5	175.0	-46.6	-59.9	217.2	16.6	10.0	13.2	373.1	999.9	99.9	999.9	30.7	68.
37.9	119.0	13875.3	150.0	-50.1	-59.9	210.2	17.3	8.7	15.0	383.7	999.9	99.9	999.9	33.4	65.
38.9	126.0	15047.6	125.0	-55.9	-59.9	237.1	14.6	12.3	8.0	391.8	999.9	99.9	999.9	37.5	63.
39.9	134.3	16450.2	100.0	-58.5	-59.9	207.7	10.5	4.9	9.3	414.8	999.9	99.9	999.9	39.8	60.
40.9	142.5	18232.3	75.0	-62.5	-59.9	148.3	1.8	-0.9	1.5	441.8	999.9	99.9	999.9	41.8	50.
41.9	152.5	20771.0	50.0	-56.7	-59.9	999.9	99.9	99.9	99.9	509.8	999.9	99.9	999.9	999.9	999.9
42.9	163.3	22245.3	25.0	-50.9	-59.9	999.9	99.9	99.9	99.9	638.8	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE FOR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS12 JUNE 1976
238 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.5	202.0	986.1	26.1	17.2	190.3	2.1	0.4	2.1	300.5	334.2	12.6	58.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	8.5	302.3	975.0	27.2	16.7	205.7	10.6	4.6	9.5	302.5	335.0	12.4	52.8	0.3	23.
1.2	10.6	532.8	950.0	27.3	15.4	206.1	10.0	4.4	9.0	304.9	335.9	11.7	48.3	0.7	24.
2.1	12.9	768.2	925.0	25.1	14.4	209.0	8.8	4.3	7.7	305.0	335.7	11.2	51.4	1.2	26.
3.0	15.3	1008.3	900.0	22.9	13.4	206.5	4.5	4.3	8.5	305.1	334.9	10.9	55.2	1.7	27.
4.0	17.6	1253.2	875.0	20.4	12.3	198.2	8.0	2.5	7.6	305.0	333.4	10.3	59.4	2.2	26.
4.9	20.1	1503.1	850.0	18.6	11.3	195.5	4.2	2.2	7.9	305.6	333.1	10.0	62.7	2.7	24.
6.0	22.4	1759.0	825.0	16.8	9.9	197.6	6.2	1.9	5.9	307.8	332.4	9.4	63.9	3.1	23.
7.0	25.0	2021.1	800.0	15.6	6.5	230.6	4.8	3.7	3.0	307.8	329.3	7.6	54.0	3.4	23.
8.1	27.4	2290.0	775.0	13.8	4.5	245.5	4.1	3.7	1.7	308.7	328.2	6.9	53.5	3.6	27.
9.1	30.0	2565.8	750.0	11.9	6.9	215.0	3.6	2.1	3.0	308.5	333.2	8.4	71.3	3.8	28.
10.1	32.8	2849.1	725.0	9.4	6.5	188.8	3.7	0.6	3.7	307.8	323.6	6.4	62.1	4.1	28.
11.2	35.5	3140.0	700.0	7.5	2.1	193.6	3.5	0.6	3.4	310.8	329.3	6.4	69.2	4.3	26.
12.3	38.2	3438.7	675.0	5.4	-3.3	212.1	2.8	1.5	2.4	311.7	324.9	4.5	53.2	4.5	26.
13.5	40.9	3746.1	650.0	3.8	-16.0	270.6	2.1	3.1	-0.0	313.3	318.6	1.7	22.0	4.6	27.
14.8	43.9	4063.6	625.0	2.0	-22.1	306.6	4.3	3.5	-2.6	315.8	314.2	1.0	14.7	4.7	30.
16.1	46.9	4391.3	600.0	-0.4	-29.7	324.2	1.6	2.1	-2.9	315.7	317.5	0.5	8.7	4.5	34.
17.3	50.0	4729.8	575.0	-2.8	-30.8	321.3	3.0	1.9	-2.3	316.7	318.4	0.5	9.3	4.5	37.
18.5	53.0	5080.7	550.0	-5.0	-27.7	327.4	1.6	1.9	-3.0	318.2	320.6	0.7	14.8	4.4	40.
19.8	56.0	5444.5	525.0	-7.6	-34.4	295.1	2.7	2.3	-1.3	319.2	321.2	0.6	14.0	4.4	43.
21.2	58.1	5822.1	500.0	-10.4	-38.5	297.4	2.7	2.4	-1.3	320.4	321.8	0.4	11.6	4.5	45.
22.5	62.5	6215.7	475.0	-11.8	-41.1	285.1	4.1	3.9	-1.1	323.3	324.1	0.2	6.5	4.6	49.
24.2	65.9	6627.7	450.0	-14.4	-42.6	266.1	3.0	4.0	0.3	325.2	325.9	0.2	7.0	4.9	52.
25.8	69.5	7058.1	425.0	-17.6	-35.9	294.6	7.5	6.7	-3.6	326.4	327.8	0.4	18.4	5.2	57.
27.3	73.0	7510.0	400.0	-19.7	-42.8	296.7	13.2	9.1	-4.6	329.4	330.2	0.2	10.7	5.7	64.
29.1	77.0	7985.7	375.0	-23.6	-43.4	294.0	9.7	9.7	-4.3	330.4	331.2	0.2	14.1	6.4	72.
30.9	80.9	8485.0	350.0	-28.8	-43.5	293.8	3.7	8.0	-3.5	329.9	330.8	0.2	22.4	7.2	77.
32.8	85.0	9010.5	325.0	-33.3	-47.4	300.0	11.6	10.0	-5.8	330.8	331.4	0.2	22.5	8.1	82.
34.7	89.2	9568.7	300.0	-36.2	-52.9	293.5	17.3	15.9	-6.9	334.3	334.7	0.1	15.8	9.5	88.
36.9	93.8	10166.6	275.0	-40.5	99.9	298.7	25.3	17.8	-9.8	336.6	999.9	99.9	999.9	11.7	93.
39.2	98.6	10810.0	250.0	-45.1	99.9	304.4	28.5	23.5	-16.1	338.0	999.9	99.9	999.9	14.8	100.
41.6	103.6	11506.0	225.0	-50.8	99.9	306.5	26.6	21.4	-15.8	340.7	999.9	99.9	999.9	18.6	105.
44.4	109.2	12263.8	200.0	-56.0	99.9	296.4	26.3	23.6	-11.7	343.1	999.9	99.9	999.9	22.6	109.
47.4	115.0	13112.4	175.0	-56.6	99.9	304.8	29.3	24.1	-16.7	354.5	999.9	99.9	999.9	27.9	110.
50.5	121.3	14075.8	150.0	-63.5	99.9	308.5	21.2	16.4	-13.5	360.7	999.9	99.9	999.9	32.5	113.
54.6	126.0	15189.5	125.0	-62.7	99.9	296.4	19.4	17.3	-6.4	361.5	999.9	99.9	999.9	37.2	113.
58.2	135.5	16547.1	100.0	-67.5	99.9	256.4	7.3	6.5	-3.2	397.4	999.9	99.9	999.9	41.0	114.
65.1	142.8	18291.8	75.0	-64.0	99.9	313.7	3.5	2.6	-2.4	438.7	999.9	99.9	999.9	43.1	114.
72.8	150.7	20799.0	50.0	-59.6	99.9	9.4	1.6	-0.3	-1.6	508.6	999.9	99.9	999.9	43.7	115.
85.0	159.7	25239.8	25.0	-51.2	99.9	65.7	7.3	-6.9	-2.5	637.9	999.9	99.9	999.9	40.2	120.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA12 JUNE 1976
200 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.9	400.0	955.1	30.0	17.5	170.0	7.7	-1.3	7.6	307.2	343.6	13.3	47.0	0.0	0.0
99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	5.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.2	19.3	448.2	950.0	30.7	18.4	175.9	17.5	-1.2	17.4	309.3	347.4	14.2	48.2	0.6	352.0
1.0	12.4	687.2	925.0	29.6	18.3	178.9	17.1	-0.4	17.1	309.6	349.7	14.5	50.7	1.1	354.0
2.1	14.7	931.3	900.0	27.3	17.1	186.7	20.7	2.4	20.5	309.6	347.8	13.8	53.7	2.3	356.0
3.1	16.9	1180.3	875.0	25.2	16.1	191.2	20.8	4.0	20.4	310.0	346.9	13.3	57.0	3.5	3.0
4.0	19.4	1344.4	850.0	22.6	14.5	197.8	22.7	6.9	21.6	309.9	344.2	12.4	60.2	4.7	5.0
5.0	21.6	1694.1	825.0	20.7	14.0	204.9	22.9	9.6	20.8	310.5	344.8	12.3	65.5	6.0	9.0
5.8	24.1	1959.8	800.0	19.0	12.4	217.3	20.9	12.7	16.6	311.4	343.5	11.4	67.5	7.1	12.0
6.9	26.4	2233.3	775.0	19.9	3.4	229.5	18.8	14.3	12.2	315.3	334.1	6.4	34.0	8.2	17.0
8.0	29.0	2515.0	750.0	19.2	-25.6	233.4	15.9	12.9	9.4	317.4	319.6	0.6	3.4	9.2	21.0
9.1	31.7	2804.8	725.0	17.4	-25.5	235.7	13.3	11.0	7.5	318.5	320.8	0.7	3.9	9.9	24.0
10.2	34.4	3102.2	700.0	14.5	-19.7	233.7	12.5	10.0	7.4	318.6	322.3	1.1	7.7	10.6	27.0
11.3	36.9	3407.6	675.0	12.4	-19.5	229.6	11.8	9.0	7.6	319.8	324.1	1.3	11.4	12.1	28.0
12.3	39.7	3721.9	650.0	9.5	-19.0	224.4	11.1	7.8	7.9	319.5	327.5	2.5	26.6	12.4	30.0
13.4	42.3	4045.2	625.0	6.2	-11.7	218.6	11.7	7.3	9.2	319.5	327.5	2.5	26.6	12.4	30.0
14.4	45.1	4378.2	600.0	3.7	-9.1	212.5	11.1	6.0	9.3	320.4	330.4	3.2	28.5	13.5	30.0
15.7	48.3	4721.6	575.0	0.1	-12.1	198.0	9.5	2.9	9.0	320.1	328.4	2.6	27.3	14.3	30.0
16.9	51.1	5076.2	550.0	-2.2	-18.5	190.5	10.5	1.9	10.3	321.4	326.7	1.6	27.3	14.9	29.0
18.1	54.3	5443.4	525.0	-5.7	-21.0	188.9	11.8	1.8	11.6	321.6	324.1	1.4	28.4	15.7	28.0
19.4	57.1	5823.8	500.0	-8.3	-25.1	200.2	11.2	7.9	10.5	323.0	326.3	1.0	24.3	16.5	27.0
20.6	60.5	6219.4	475.0	-11.8	-29.5	209.1	10.4	5.0	9.1	323.4	324.2	0.4	15.1	18.2	27.0
22.0	64.0	6629.7	450.0	-16.2	-36.7	209.1	9.2	4.5	8.0	322.9	324.2	0.4	15.1	18.2	27.0
23.5	67.3	7058.3	425.0	-18.6	-53.2	213.6	9.5	5.3	7.9	325.2	325.4	0.1	3.0	19.1	28.0
25.2	70.8	7508.0	400.0	-20.9	-57.1	225.3	12.1	8.6	8.5	327.9	329.1	0.0	2.2	20.0	28.0
26.9	74.5	7981.7	375.0	-24.2	-59.5	222.7	16.8	11.4	12.3	329.5	327.7	0.0	2.2	21.6	29.0
28.5	78.5	8481.2	350.0	-27.8	-57.1	227.3	21.7	14.0	14.7	331.2	331.4	0.0	4.3	23.3	31.0
30.3	82.5	9008.9	325.0	-32.0	-78.7	235.3	22.7	18.7	12.9	332.6	334.2	0.4	52.7	25.6	32.0
32.4	86.6	9569.4	300.0	-36.4	-39.7	244.7	24.1	21.8	10.3	334.1	335.6	0.4	71.5	28.2	35.0
34.8	91.2	10167.1	275.0	-41.1	99.9	242.1	19.3	17.0	9.0	335.7	999.9	99.9	999.9	30.7	38.0
36.9	95.8	10808.1	250.0	-46.0	99.9	245.0	25.1	22.7	10.5	337.7	999.9	99.9	999.9	33.5	40.0
39.1	100.8	11502.3	225.0	-50.0	99.9	250.4	33.3	31.4	11.1	341.9	999.9	99.9	999.9	36.8	43.0
42.0	106.3	12265.2	200.0	-53.1	99.9	252.1	33.8	32.1	10.4	348.7	999.9	99.9	999.9	42.3	46.0
45.3	112.0	13119.9	175.0	-57.3	99.9	250.3	25.3	23.8	8.5	355.4	999.9	99.9	999.9	47.6	50.0
48.5	118.3	14083.8	150.0	-61.5	99.9	250.8	23.8	22.5	7.8	364.2	999.9	99.9	999.9	52.3	52.0
52.1	125.8	15206.3	125.0	-63.6	99.9	254.9	17.5	16.9	4.5	379.9	999.9	99.9	999.9	57.0	54.0
55.5	133.8	16594.7	100.0	-66.6	99.9	269.3	10.2	10.2	0.1	399.1	999.9	99.9	999.9	67.5	55.0
58.9	142.0	18329.7	75.0	-61.4	99.9	265.4	2.5	1.1	2.3	444.1	999.9	99.9	999.9	61.0	56.0
61.6	151.0	20861.7	50.0	-57.5	99.9	87.7	8.2	-8.2	-0.3	508.1	999.9	99.9	999.9	61.0	56.0
68.8	161.0	25333.6	25.0	-48.7	99.9	103.1	3.1	-7.0	0.7	644.6	999.9	99.9	999.9	55.8	51.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA12 JUNE 1976
300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SEFO M/SEC	U COMP M/SEC	V CCNP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	14.2	847.0	900.5	24.4	3.1	180.0	5.2	0.0	5.2	306.6	321.9	5.3	25.0	0.0	0.0
99.9	94.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.3	14.3	854.9	900.0	24.9	3.7	178.5	5.9	-0.2	5.9	307.2	323.4	5.7	25.4	0.0	358.0
0.8	16.0	1106.1	875.0	30.9	9.6	178.2	15.7	-0.5	15.7	315.9	340.9	8.6	26.8	0.7	340.0
1.6	18.1	1366.0	850.0	31.3	7.6	189.0	20.9	3.3	20.6	319.0	341.9	7.8	22.8	1.6	358.0
2.4	20.3	1632.4	825.0	28.8	5.4	192.4	22.7	4.9	22.2	319.0	339.4	6.8	22.6	2.7	0.0
3.3	22.3	1908.6	800.0	26.5	3.8	197.7	22.2	6.7	21.1	319.4	338.3	6.3	23.1	3.8	5.0
4.1	24.6	2183.0	775.0	24.8	1.6	200.0	22.5	7.7	21.2	319.5	336.2	5.6	23.2	4.8	8.0
5.0	26.8	2467.8	750.0	21.0	-0.2	200.1	20.2	6.9	18.9	319.4	334.7	5.0	24.2	5.9	11.0
5.9	29.2	2759.5	725.0	18.4	-1.8	200.0	21.2	7.2	19.5	319.6	333.7	4.6	25.4	7.1	12.0
6.9	31.6	3058.3	700.0	15.3	-3.8	201.8	20.9	7.8	19.4	319.6	332.1	4.1	26.6	8.3	13.0
7.8	34.1	3364.6	675.0	12.4	-5.7	202.4	20.0	7.6	18.5	319.6	331.0	3.7	27.7	9.5	14.0
8.9	36.4	3679.6	650.0	9.9	-7.6	205.4	19.2	8.2	17.3	320.2	330.5	3.3	28.3	10.7	15.0
9.9	39.0	4003.2	625.0	6.5	-9.3	208.7	18.5	8.9	16.2	319.9	329.4	3.0	31.3	11.9	17.0
11.0	41.5	4336.5	600.0	3.5	-11.2	210.2	18.4	9.2	15.9	320.2	328.7	2.7	32.1	13.1	18.0
12.2	44.3	4679.9	575.0	0.3	-12.8	212.6	18.2	9.8	15.3	320.3	328.2	2.5	36.8	14.7	19.0
13.3	47.1	5034.0	551.0	-3.2	-14.1	213.3	17.8	9.8	14.9	320.3	327.7	2.3	42.5	15.5	20.0
14.5	52.1	5400.0	525.0	-6.9	-15.6	216.1	17.7	10.4	14.3	320.1	327.0	2.2	49.8	16.7	21.0
15.7	52.9	5778.7	500.0	-10.1	-16.6	223.2	15.2	10.2	11.3	320.8	327.4	2.1	58.8	17.9	22.0
17.1	55.9	6171.4	475.0	-14.0	-17.4	223.7	15.9	11.0	11.5	320.6	327.0	2.0	73.0	19.1	23.0
18.4	59.1	6579.1	450.0	-17.9	-19.1	222.8	14.7	10.0	10.8	320.8	326.9	1.9	90.7	20.2	25.0
19.9	62.5	7004.2	425.0	-21.3	-25.5	208.3	16.2	7.7	14.3	321.7	325.4	1.9	68.6	21.5	26.0
21.4	65.9	7448.3	400.0	-25.0	-28.9	213.0	18.0	9.8	15.1	322.5	325.7	0.9	75.5	23.0	26.0
23.1	69.6	7914.2	375.0	-28.3	-35.5	215.9	23.2	13.6	18.8	324.1	325.9	0.5	50.1	24.9	27.0
24.8	73.2	8405.5	350.0	-31.9	-42.4	210.1	25.9	13.0	22.4	325.7	326.7	0.3	34.1	27.6	27.0
26.5	77.2	8924.1	325.0	-36.4	-46.5	207.5	28.7	13.2	25.4	326.6	327.2	0.2	33.8	30.3	27.0
28.4	81.4	9474.6	300.0	-40.2	-49.9	209.0	28.8	13.9	26.2	328.7	328.7	0.9	59.9	33.6	27.0
30.1	85.7	10063.9	275.0	-43.7	-49.9	214.2	28.3	16.4	24.2	332.0	332.0	99.9	999.9	35.8	28.0
32.4	90.6	10700.9	250.0	-46.6	-49.9	213.4	41.5	22.9	34.6	339.3	339.3	99.9	999.9	41.3	29.0
34.7	95.6	11400.5	225.0	-49.5	-49.9	208.2	40.7	19.2	35.8	347.3	347.3	99.9	999.9	47.1	29.0
37.4	101.0	12182.0	200.0	-46.8	-49.9	211.1	39.7	15.3	25.4	358.6	358.6	99.9	999.9	52.2	29.0
40.4	107.3	13060.3	175.0	-51.3	-49.9	205.7	37.0	11.7	24.4	365.2	365.2	99.9	999.9	57.7	29.0
43.8	114.0	14050.1	150.0	-57.0	-49.9	222.1	30.7	13.8	15.3	371.9	371.9	99.9	999.9	62.2	29.0
47.3	121.7	15194.0	125.0	-61.5	-49.9	223.6	17.3	11.9	12.5	383.6	383.6	99.9	999.9	64.3	31.0
51.2	130.3	16564.1	100.0	-61.7	-49.9	228.0	10.6	9.8	4.0	404.6	404.6	99.9	999.9	68.8	31.0
56.3	139.7	18343.6	75.0	-61.7	-49.9	147.7	6.0	-3.2	5.1	443.7	443.7	99.9	999.9	69.7	31.0
63.9	149.5	20902.0	50.0	-55.3	-49.9	122.0	4.5	-3.8	2.4	513.1	513.1	99.9	999.9	70.3	31.0
76.3	160.0	25370.1	25.0	-51.1	-49.9	78.2	6.0	-5.8	-1.2	637.7	637.7	99.9	999.9	68.3	28.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 576
LANDER, WYOMING12 JUNE 1976
215 GMT

TIME MIN	CNCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE AZ KM	RANGE DG AZ
0.0	21.9	1695.0	821.0	14.4	-0.1	260.0	7.7	7.6	1.3	304.2	317.5	4.6	77.0	9.0	0.0
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	23.9	1912.6	800.0	12.0	-2.7	259.9	10.1	9.9	1.8	303.9	315.2	3.9	33.8	0.5	85.0
1.7	25.2	2177.3	775.0	9.6	-3.3	273.1	10.9	10.9	-0.6	304.2	315.3	3.9	33.8	1.2	86.0
2.6	26.7	2448.5	750.0	7.4	-4.2	274.2	6.8	6.8	-0.5	304.6	315.5	3.7	43.6	1.6	88.0
3.9	31.3	2726.4	725.0	4.9	-5.3	291.1	11.3	10.5	-4.1	304.8	315.2	3.6	47.5	2.3	93.0
5.2	33.9	3011.5	700.0	2.4	-6.2	291.4	10.5	9.7	-3.8	305.1	315.2	3.4	57.1	3.1	98.0
6.2	36.3	3304.2	675.0	-0.1	-8.0	291.1	14.1	13.1	-5.1	305.5	314.7	3.1	55.2	3.8	101.0
7.1	39.0	3605.3	650.0	-1.6	-10.7	286.7	15.4	14.9	-4.5	307.1	314.9	2.6	50.0	4.6	102.0
8.0	41.7	3916.8	625.0	-3.8	-12.5	285.4	15.0	14.5	-4.0	308.1	315.2	2.3	50.4	5.5	103.0
8.9	44.5	4237.5	600.0	-6.8	-13.5	286.2	14.1	13.6	-3.9	308.3	315.1	2.2	50.5	6.2	103.0
9.9	47.4	4568.2	575.0	-9.5	-15.9	287.5	14.8	14.1	-4.5	309.7	315.9	2.0	73.1	7.1	104.0
11.0	50.3	4910.3	550.0	-12.1	-17.9	295.7	13.4	12.1	-5.8	310.8	316.4	1.9	76.4	9.1	105.0
12.2	53.3	5244.6	525.0	-14.7	-20.7	289.5	12.7	12.0	-4.3	311.6	316.2	1.5	76.8	10.0	106.0
13.3	56.1	5632.2	500.0	-17.6	-24.8	278.3	12.7	12.6	-1.8	312.5	315.9	1.1	49.2	10.9	106.0
14.6	59.4	6114.4	475.0	-20.6	-28.8	278.3	12.7	12.6	-1.8	313.7	316.0	0.7	55.0	11.7	105.0
15.7	62.7	6412.0	450.0	-23.5	-30.1	264.3	12.1	12.0	1.3	315.1	316.5	0.4	38.7	12.7	103.0
17.1	66.0	6817.5	425.0	-26.5	-36.3	260.5	14.6	14.4	2.4	315.6	316.8	0.3	45.7	13.7	101.0
18.3	69.7	7252.4	400.0	-30.3	-38.2	262.5	14.7	14.6	1.9	316.5	317.5	0.3	48.0	14.7	100.0
19.5	73.0	7717.9	375.0	-34.1	-41.0	271.6	10.1	10.1	-0.3	316.5	317.5	0.3	71.4	15.4	100.0
20.8	77.0	8156.3	350.0	-38.7	-41.9	260.0	6.6	6.5	-1.1	317.5	317.5	0.3	99.9	15.6	100.0
22.1	80.9	8700.8	325.0	-42.9	-49.9	336.7	3.8	1.5	-3.5	317.6	317.6	0.3	99.9	15.8	102.0
23.7	85.7	9214.5	300.0	-48.0	-55.1	355.1	6.8	0.6	-6.4	317.6	317.6	0.3	99.9	15.8	102.0
25.2	89.2	9404.5	275.0	-50.8	-59.9	9.2	2.4	-0.4	-2.4	321.7	317.6	0.3	99.9	15.8	104.0
26.9	94.0	10433.7	250.0	-44.6	-44.6	160.3	4.6	-1.6	4.4	337.7	317.6	0.3	99.9	15.7	103.0
28.0	98.6	11138.0	225.0	-45.1	-45.1	199.8	8.9	3.0	8.3	349.4	317.6	0.3	99.9	15.6	100.0
31.3	104.0	11925.6	200.0	-44.2	-44.2	191.4	14.1	2.8	12.8	362.8	317.6	0.3	99.9	15.8	94.0
33.0	110.0	12919.3	175.0	-45.2	-45.2	183.6	17.0	1.1	16.3	375.3	317.6	0.3	99.9	16.0	84.0
36.8	116.0	13841.1	150.0	-49.5	-49.5	191.8	16.6	3.4	16.3	384.8	317.6	0.3	99.9	16.7	75.0
40.8	124.3	15020.4	125.0	-55.0	-55.0	171.7	10.4	-1.5	10.3	395.4	317.6	0.3	99.9	16.1	68.0
45.1	131.3	16431.2	100.0	-59.7	-59.7	174.6	17.2	-1.6	17.1	412.4	317.6	0.3	99.9	16.8	58.0
50.6	147.0	18219.1	75.0	-63.1	-63.1	233.7	5.2	4.2	3.1	440.7	317.6	0.3	99.9	22.0	54.0
59.4	149.7	20782.7	50.0	-55.8	-55.8	57.5	2.9	-2.5	-1.6	512.0	317.6	0.3	99.9	22.6	52.0
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637
FLINT, MICHIGAN

12 JUNE 1976
300 GMT

157 16. 0

TIME MIN	CNTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	8.0	236.0	983.1	20.6	13.8	50.0	4.1	-3.1	-2.6	295.2	322.0	10.2	65.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.3	8.7	307.6	975.0	20.2	12.7	54.3	8.1	-6.5	-4.7	295.5	320.7	9.5	61.9	0.2	265.
1.0	10.8	531.8	950.0	18.7	12.1	51.1	9.7	-7.6	-6.1	296.2	321.1	9.4	65.4	0.5	232.
1.9	13.0	760.7	925.0	16.0	11.1	42.9	6.6	-4.5	-4.9	298.7	323.1	9.1	60.4	1.0	230.
2.7	15.3	997.1	900.0	19.5	10.7	12.7	6.2	-1.4	-6.1	301.7	325.3	9.0	56.5	1.3	226.
3.5	17.5	1239.4	875.0	18.8	6.7	35.1	7.4	0.9	-7.4	303.3	323.0	7.1	45.4	1.6	217.
4.4	19.9	1487.6	850.0	17.2	7.8	32.7	6.3	4.0	-4.9	304.1	325.0	7.9	54.1	1.8	207.
5.2	22.1	1741.8	825.0	15.3	7.7	29.4	6.4	5.9	-2.4	304.9	327.1	8.0	60.5	1.8	197.
6.2	24.6	2002.1	800.0	12.7	10.3	29.4	6.4	5.9	-2.4	304.9	327.1	9.7	64.0	1.9	186.
7.1	27.0	2268.1	775.0	10.4	3.5	30.1	8.6	7.1	-4.8	305.0	323.0	6.4	62.3	2.1	176.
8.1	29.6	2541.6	750.0	11.3	-20.2	30.7	12.0	10.2	-6.3	308.8	312.1	1.0	9.2	2.5	154.
9.1	32.2	2823.9	725.0	10.3	-21.1	30.7	14.0	11.4	-8.2	310.7	313.9	1.0	9.1	3.0	155.
10.0	34.9	3114.1	700.0	7.9	-21.7	31.2	12.7	9.7	-8.2	311.3	314.4	1.0	10.1	3.8	150.
10.9	37.4	3413.4	675.0	6.8	-22.0	30.9	10.8	8.4	-4.6	313.3	315.0	0.5	5.6	4.4	147.
11.7	40.2	3722.2	650.0	5.3	-22.9	30.3	9.4	7.5	-5.7	314.9	316.6	0.5	5.7	4.9	145.
12.8	42.9	4040.9	625.0	2.8	-31.2	30.4	9.5	7.5	-5.9	315.7	317.2	0.4	6.0	5.5	143.
13.9	45.8	4349.6	600.0	0.5	-32.4	31.0	9.2	7.0	-6.0	316.8	319.2	0.4	6.3	6.1	142.
15.1	48.5	4709.3	575.0	-1.7	-33.7	30.7	9.8	7.8	-5.9	318.0	319.3	0.4	6.5	6.7	141.
16.2	51.8	5061.7	550.0	-3.5	-34.7	30.5	10.3	8.7	-5.5	320.0	321.3	0.4	6.7	7.4	139.
17.5	54.9	5427.0	525.0	-6.6	-36.6	30.4	8.7	6.9	-5.7	320.5	321.6	0.3	7.0	8.1	138.
18.8	58.0	5805.4	500.0	10.0	-38.7	31.6	9.5	5.6	-6.4	320.9	321.9	0.3	7.4	9.7	137.
20.0	61.4	6198.5	475.0	-13.4	-40.9	32.5	9.3	5.7	-7.4	321.4	322.2	0.2	7.8	9.4	136.
21.3	64.9	6608.0	450.0	-15.5	-42.2	32.3	10.4	5.3	-9.0	323.8	324.5	0.2	8.0	10.1	135.
22.6	69.3	7036.9	425.0	-18.8	-44.4	32.7	10.8	5.8	-9.1	324.8	325.5	0.2	8.4	10.9	134.
24.0	71.7	7486.1	400.0	-21.5	-46.1	32.5	9.7	5.8	-7.8	327.1	327.7	0.1	8.4	11.9	140.
25.5	75.7	7959.0	375.0	-25.6	-48.9	31.0	8.0	6.1	-5.1	327.7	328.2	0.1	9.1	12.6	140.
27.2	79.6	8454.6	350.0	-30.1	-52.0	30.8	8.4	6.6	-5.1	328.2	328.6	0.1	9.6	13.4	139.
28.9	83.7	8977.1	325.0	-34.4	-49.7	31.6	13.8	9.5	-10.0	320.3	320.8	0.1	19.6	14.4	138.
30.7	87.8	9530.9	300.0	-39.5	-42.5	31.0	14.7	11.2	-10.6	329.9	330.9	0.3	72.4	16.1	138.
32.4	92.6	10121.6	275.0	-43.4	-40.9	30.5	17.5	14.0	-10.4	324.4	324.4	99.9	99.9	17.8	137.
34.4	97.4	10756.0	250.0	-48.3	-48.3	31.3	18.9	14.2	-12.5	324.3	324.3	99.9	99.9	19.7	136.
36.4	102.4	11442.2	225.0	-54.2	-54.2	30.2	18.7	15.9	-10.0	335.5	335.5	99.9	99.9	22.1	135.
38.6	108.3	12187.9	200.0	-58.4	-58.4	29.4	21.3	18.4	-10.5	340.3	340.3	99.9	99.9	24.6	133.
41.0	114.3	13027.7	175.0	-59.5	-59.5	30.2	26.2	20.3	-14.5	351.8	351.8	99.9	99.9	28.1	133.
43.5	121.0	13993.1	150.0	-59.3	-59.3	32.1	22.1	17.7	-17.3	368.0	368.0	99.9	99.9	32.0	133.
46.5	128.3	15127.2	125.0	-62.1	-62.1	29.5	17.4	15.7	-7.5	382.6	382.6	99.9	99.9	34.9	132.
50.1	136.3	16508.4	100.0	-60.9	-60.9	29.7	12.6	11.2	-5.9	410.2	410.2	99.9	99.9	38.6	131.
54.9	145.0	18293.4	75.0	-60.2	-60.2	31.8	6.4	4.2	-4.8	446.8	446.8	99.9	99.9	41.4	131.
61.3	154.5	20338.2	50.0	-57.4	-57.4	31.9	4.2	-3.7	-2.0	504.3	504.3	99.9	99.9	41.8	132.
72.1	160.5	25324.1	25.0	-49.2	-49.2	90.4	8.8	-8.9	0.1	643.3	643.3	99.9	99.9	40.5	136.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR T1M HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 645
GREEN RAY, WISCONSIN

12 JUNE 1976
100 GMT

161 13.0

TIME MIN	CNTCT	HEIGHT GCM	PRES MM	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX QTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.1	210.0	586.5	16.9	11.6	60.0	7.2	-6.2	-3.6	291.2	314.0	8.8	71.0	0.0	0.
0.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.3	8.2	310.2	975.0	16.7	10.1	75.0	9.8	-9.5	-2.5	292.0	313.0	8.0	65.1	0.3	241.
1.0	10.3	531.2	950.0	15.0	9.5	83.9	9.6	-9.5	-1.0	292.4	313.3	7.9	69.6	0.6	249.
1.8	12.5	158.1	925.0	18.4	9.1	115.4	7.8	-7.1	3.4	298.1	319.4	7.9	54.6	1.0	251.
2.7	14.8	994.0	900.0	19.0	17.0	152.6	6.6	-3.1	5.9	301.1	327.8	13.8	88.6	1.3	276.
3.6	17.0	1236.8	875.0	18.9	17.0	194.2	5.2	1.3	5.1	303.5	341.4	14.1	88.3	1.3	289.
4.4	19.4	1486.6	850.0	18.0	15.5	212.2	4.2	2.3	3.4	305.0	340.9	13.2	85.6	1.4	299.
5.4	21.6	1742.3	825.0	16.2	13.7	239.7	3.8	3.3	1.9	305.8	338.8	12.1	84.7	1.3	309.
6.3	24.1	2004.1	800.0	14.8	10.0	256.9	3.8	3.7	0.9	306.9	333.8	9.7	73.0	1.2	317.
7.3	26.3	2272.6	775.0	14.3	-5.9	250.3	5.1	4.8	1.7	309.2	318.7	3.2	24.1	1.1	329.
8.3	28.9	2548.4	750.0	12.5	-9.9	252.8	6.3	6.0	1.9	310.1	317.5	2.4	19.9	1.1	346.
9.3	31.6	2831.4	725.0	10.5	-10.2	260.4	6.0	5.9	1.0	311.0	318.6	2.5	22.8	1.2	36.
10.3	34.2	3122.3	700.0	7.8	-11.8	260.3	6.0	5.9	1.0	311.1	325.2	4.8	50.8	1.3	20.
11.4	36.7	3411.3	675.0	5.7	-15.5	279.0	6.5	6.5	-1.0	312.1	323.4	3.8	44.2	1.6	35.
12.5	39.4	3728.9	650.0	3.4	-18.4	290.6	7.1	6.7	-2.5	312.8	322.3	3.1	41.7	1.7	49.
13.6	42.0	4045.7	625.0	0.8	-21.1	299.2	6.8	5.9	-3.2	313.3	323.4	3.3	51.4	2.0	62.
14.8	45.0	4372.2	600.0	-2.0	-11.1	312.5	5.7	4.2	-3.9	313.9	322.3	2.7	49.6	2.2	73.
16.0	48.3	4709.0	575.0	-4.9	-12.7	302.1	5.0	4.2	-2.6	314.3	322.0	2.5	54.1	2.4	80.
17.1	51.8	5037.5	550.0	-7.4	-11.6	285.5	4.9	4.4	-2.1	315.3	324.1	2.9	71.9	2.7	84.
18.4	54.0	5418.2	525.0	-10.1	-17.9	280.2	6.5	6.4	-1.2	315.3	322.0	1.8	52.7	3.1	88.
19.8	57.0	5792.7	500.0	-12.1	-29.7	272.6	7.4	7.4	-0.3	318.3	320.5	0.6	21.4	3.7	89.
21.2	60.3	6183.2	475.0	-15.0	-25.6	274.4	6.5	6.4	-0.5	319.4	322.7	1.0	40.1	4.3	89.
22.8	63.7	6590.4	450.0	-17.5	-31.9	267.4	4.3	4.1	-1.3	321.3	323.3	0.6	27.2	4.8	90.
24.3	67.0	7016.4	425.0	-19.8	-37.9	292.1	5.2	4.3	-2.0	323.6	324.8	0.3	18.1	5.2	92.
26.1	70.6	7463.3	400.0	-22.4	-33.6	269.5	7.0	7.0	0.0	324.6	326.5	0.6	39.2	5.8	93.
27.7	74.3	7933.1	375.0	-26.1	-28.6	286.1	7.3	7.1	-2.0	327.1	330.3	1.0	79.4	6.5	93.
31.4	82.3	8951.5	325.0	-34.4	-36.2	266.9	7.2	6.9	-2.1	329.2	331.1	0.7	79.5	7.2	95.
33.4	86.4	9506.1	300.0	-38.9	-41.0	272.3	8.0	8.0	-0.3	330.5	331.8	0.3	80.8	8.9	97.
36.0	91.0	10096.5	275.0	-43.8	99.9	255.2	11.3	10.9	2.9	331.8	99.9	99.9	99.9	10.3	94.
38.4	95.8	10729.6	250.0	-49.1	99.9	278.3	14.1	13.9	-2.0	333.0	99.9	99.9	99.9	12.1	93.
40.4	100.5	11414.9	225.0	-53.0	99.9	281.4	15.7	15.4	-3.1	337.4	99.9	99.9	99.9	14.0	94.
43.1	106.5	12169.4	200.0	-55.0	99.9	304.7	21.2	20.8	-3.9	345.6	99.9	99.9	99.9	16.9	95.
46.2	112.3	13017.7	175.0	-57.6	99.9	304.7	17.2	14.1	-9.8	354.9	99.9	99.9	99.9	23.6	98.
49.6	118.8	13985.7	150.0	-61.4	99.9	303.9	15.1	12.5	-8.4	364.3	99.9	99.9	99.9	23.4	102.
53.5	126.0	15109.9	125.0	-64.6	99.9	289.5	12.0	11.3	-4.0	378.0	99.9	99.9	99.9	25.4	105.
58.4	134.3	16480.7	100.0	-62.5	99.9	303.9	11.1	9.2	-6.2	407.1	99.9	99.9	99.9	30.3	107.
64.6	143.0	18257.3	75.0	-61.8	99.9	1.7	4.7	-3.1	-4.7	443.3	99.9	99.9	99.9	32.1	108.
73.0	152.3	20768.4	50.0	-56.3	99.9	54.9	3.1	-2.5	-1.8	510.8	99.9	99.9	99.9	32.8	111.
80.9	162.3	25268.0	25.0	-46.4	99.9	71.7	6.4	-6.1	-2.0	646.0	99.9	99.9	99.9	29.8	116.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
MURDN. SOUTH DAKOTA

12 JUNE 1976
200 GMT

TIME MIN	CNT.	HEIGHT GPM	PRES MB	TEMP DG C	NEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DC V	M4 QTO GM/KG	RM PCT	RANGE AM D	AZ D
0.0	10.3	392.0	949.9	31.7	17.6	150.3	7.2	-3.6	6.2	309.5	345.9	13.5	43.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.8	12.2	821.1	925.0	30.5	14.3	153.8	9.7	-8.7	17.7	310.5	341.8	11.2	40.4	0.6	342.
1.6	14.4	805.8	900.0	28.7	13.9	160.7	14.4	-6.1	17.4	311.1	342.6	11.2	40.4	1.5	339.
2.5	16.4	1115.9	875.0	27.3	13.7	173.1	18.0	-2.2	17.9	312.1	343.2	11.4	43.3	2.6	341.
7.6	18.6	1372.3	850.0	26.4	11.6	187.3	19.2	2.5	16.1	313.8	342.9	10.2	39.7	3.6	347.
4.4	20.8	1635.0	825.0	24.8	7.3	195.9	18.4	5.0	17.7	314.8	337.6	7.9	32.9	4.5	352.
5.4	23.0	1901.6	800.0	22.7	4.4	202.5	17.1	6.7	16.7	315.3	334.6	6.6	30.4	5.5	358.
6.3	25.3	2178.9	775.0	21.0	-0.8	208.3	17.7	8.3	15.6	316.7	330.5	4.7	23.2	6.4	2.
7.4	27.6	2461.0	750.0	18.5	-5.7	211.4	18.7	9.7	15.9	316.7	325.5	3.3	14.8	7.3	6.
8.3	30.1	2749.6	725.0	16.0	-8.7	210.8	18.6	9.5	15.9	317.0	325.5	2.7	17.4	8.4	9.
7.6	32.7	3046.0	700.0	13.7	-13.8	208.4	15.3	7.4	13.4	317.7	323.7	1.9	13.4	9.6	12.
11.9	32.7	3653.1	650.0	7.6	-17.6	207.9	14.6	6.8	12.9	317.8	323.7	1.5	12.7	10.6	13.
13.9	40.4	3684.6	625.0	4.9	-18.1	204.3	13.7	5.6	12.5	318.1	322.8	1.5	14.4	11.5	15.
14.2	42.9	4115.8	600.0	2.4	-19.1	193.9	13.1	3.1	12.8	318.9	323.9	1.5	14.9	12.5	16.
15.5	45.8	4657.8	575.0	-0.7	-16.7	183.4	12.8	0.8	12.8	319.2	324.9	1.8	20.2	13.4	16.
15.8	48.8	5011.0	550.0	-3.9	-15.8	176.1	12.8	-0.9	12.7	319.5	325.5	2.0	28.5	14.4	15.
18.1	51.5	5374.1	525.0	-7.0	-15.8	182.5	16.0	0.7	14.9	320.0	324.8	2.1	39.0	15.4	14.
19.4	54.5	5754.9	500.0	-9.6	-31.7	153.9	15.2	7.6	14.7	321.4	323.2	0.9	49.3	16.4	13.
20.8	57.7	6148.5	475.0	-12.7	-42.2	206.2	15.5	6.9	14.0	322.3	323.0	0.2	14.5	17.7	13.
22.2	60.6	6558.6	450.0	-15.9	-43.7	213.7	15.5	8.6	12.9	323.3	323.9	0.2	7.0	18.9	13.
23.8	64.1	6925.8	425.0	-19.9	-44.5	216.3	15.5	9.2	12.5	323.5	324.1	0.2	0.0	20.2	14.
25.4	67.4	7432.6	400.0	-23.4	-49.2	224.0	16.0	11.1	11.5	324.6	323.1	0.1	8.1	21.5	16.
27.1	70.9	7901.7	375.0	-26.7	-49.1	217.4	19.6	11.9	15.6	326.3	325.7	0.1	9.4	24.5	19.
28.9	74.7	8366.2	350.0	-30.7	-51.2	212.5	22.2	12.0	18.7	327.4	327.8	0.1	11.2	26.9	20.
30.9	78.7	8917.9	325.0	-34.4	-54.1	215.0	19.7	11.3	16.2	329.3	328.5	0.1	11	29.2	21.
32.8	82.6	9474.0	300.0	-37.9	-57.7	220.8	15.6	11.9	10.9	332.0	332.2	0.0	14	30.9	23.
34.8	86.6	10067.3	275.0	-42.9	-59.9	241.8	17.1	15.2	9.2	333.1	993.2	99.9	999.9	32.8	25.
36.9	91.4	10702.8	250.0	-44.1	99.9	246.3	18.2	16.7	7.2	334.6	993.9	99.9	999.9	34.6	27.
39.3	96.2	11370.3	225.0	-51.7	99.9	247.5	22.4	20.0	10.0	339.3	993.9	99.9	999.9	36.8	30.
41.9	101.4	12151.0	200.0	-57.0	99.9	237.6	15.2	12.2	9.0	347.5	993.9	99.9	999.9	38.3	32.
44.9	107.3	13000.5	175.0	-57.5	99.9	230.2	18.5	14.2	11.5	345.0	993.9	99.9	999.9	42.2	33.
46.2	113.3	13973.5	150.0	-58.3	99.9	219.7	6.8	6.2	7.5	349.6	993.9	99.9	999.9	45.4	34.
52.3	120.3	15104.7	125.0	-62.4	99.9	216.4	15.7	9.7	12.3	341.0	993.9	99.9	999.9	48.2	34.
57.1	124.3	15496.4	100.0	-60.5	99.9	196.2	7.2	2.3	6.9	410.	993.9	99.9	999.9	52.8	33.
63.4	137.3	18274.0	75.0	-60.9	99.9	181.4	1.5	1.3	-0.8	445.1	993.9	99.9	999.9	51.9	33.
73.1	146.3	20837.8	50.0	-55.8	99.9	135.3	2.2	-1.6	1.6	512.0	993.9	99.9	999.9	50.4	32.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 655
ST. CLOUD, MINNESOTA
12 JUN 1976
107 GMT

TIME MIN	CUTCY	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	C POT Y DG K	MX PTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.4	315.0	967.2	22.6	14.2	40.0	6.2	-6.1	-1.1	203.6	334.8	13.7	76.0	0.0	0.
9.9	9.9	59.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	10.8	471.0	950.0	21.8	99.9	117.7	12.5	-11.1	5.8	249.3	999.9	99.9	99.9	0.3	271.
1.3	13.0	704.9	925.0	24.4	20.7	136.4	14.2	-6.8	10.3	304.2	349.6	16.9	80.1	0.9	293.
2.1	15.3	945.9	900.0	23.6	18.7	154.7	16.0	-6.8	14.5	305.9	347.2	15.3	73.7	1.5	309.
3.0	17.5	1192.2	875.0	21.7	17.3	161.6	16.8	-2.3	15.4	305.3	346.8	14.9	78.9	2.3	320.
4.0	19.9	1443.8	850.0	19.5	17.3	159.7	18.5	6.4	17.3	306.6	346.9	14.9	86.7	3.2	326.
4.9	22.1	1701.4	825.0	18.8	6.8	172.4	16.3	2.2	15.2	308.5	332.0	7.6	45.7	4.2	330.
5.8	24.5	1955.4	800.0	18.2	2.1	182.5	16.7	0.6	16.6	310.6	326.8	5.6	33.8	5.0	336.
6.8	26.8	2236.2	775.0	16.6	-8.0	186.9	17.3	2.1	17.2	311.7	319.9	2.7	17.7	6.0	340.
7.9	29.3	2514.2	750.0	14.4	-0.9	194.5	15.5	4.2	15.0	312.3	326.4	4.8	34.9	6.9	345.
9.0	31.9	2799.3	725.0	12.0	0.0	194.5	14.2	3.6	13.7	312.6	328.2	5.3	43.7	7.8	349.
10.1	34.6	3092.3	700.0	10.0	-0.5	200.9	14.1	5.0	13.2	313.6	329.1	5.3	47.9	8.6	35.
11.3	37.0	3393.8	675.0	7.8	-0.7	204.5	14.5	6.0	13.2	314.4	330.5	5.4	54.8	9.4	355.
12.3	39.8	3703.9	650.0	4.8	-0.5	194.7	14.3	4.6	13.5	314.4	331.1	5.7	68.3	10.3	357.
13.4	42.3	4022.9	625.0	2.4	-2.2	209.8	10.8	5.4	9.4	315.2	330.8	2	71.4	11.1	359.
14.6	45.2	4352.4	600.0	0.9	-7.2	213.4	9.4	7.6	5.6	317.2	328.6	3.7	54.5	11.6	1.
15.6	48.1	4693.6	575.0	-0.9	-11.7	256.3	7.8	7.5	1.8	319.0	327.5	2.7	43.7	11.8	4.
16.8	51.0	5046.5	550.0	-4.2	-12.9	264.5	7.4	7.4	0.5	319.1	327.2	2.6	50.5	11.9	6.
17.1	54.0	5411.4	525.0	-7.5	-15.2	272.8	7.5	7.5	-0.4	319.4	326.5	2.2	54.1	11.9	9.
17.4	57.0	5789.1	500.0	-11.0	-20.3	265.1	6.8	6.8	0.6	319.6	324.6	1.5	44.1	12.0	12.
18.7	60.3	6181.3	475.0	-14.1	-20.2	255.4	6.1	5.9	1.5	320.5	325.4	1.6	59.7	12.2	14.
19.0	63.5	6599.5	450.0	-17.3	-22.0	245.1	7.7	7.0	3.2	321.5	325.9	1.3	61.4	12.5	16.
20.5	66.9	7015.6	425.0	-20.1	-48.1	245.9	11.7	10.7	4.8	323.2	323.6	0.1	4.2	13.1	19.
21.1	70.3	7428.2	400.0	-23.2	-52.8	247.5	14.0	12.5	6.2	324.8	325.1	0.1	5.0	14.0	22.
22.7	73.9	7848.8	375.0	-26.5	-67.4	256.2	13.1	12.7	3.1	325.6	326.7	0.0	2.4	15.0	26.
24.5	77.8	8274.6	350.0	-31.2	-62.2	265.0	16.5	15.5	0.1	326.7	326.8	0.0	3.0	15.8	31.
26.5	81.6	8694.2	325.0	-35.5	-64.2	247.1	18.2	16.2	0.9	327.7	327.8	0.0	7.5	16.9	36.
28.1	85.7	9109.8	300.0	-38.4	-65.6	262.2	19.7	15.2	2.6	331.7	331.3	0.0	3.8	18.5	41.
30.3	90.0	9509.8	275.0	-42.6	-69.6	276.5	17.0	15.9	-1.9	331.5	331.3	99.9	99.9	20.0	46.
32.3	94.8	10092.0	250.0	-47.4	99.9	273.1	15.5	15.5	-0.4	335.0	999.9	99.9	99.9	21.7	51.
34.3	99.6	11416.9	225.0	-52.6	99.9	254.3	14.8	14.5	3.0	337.9	999.9	99.9	99.9	23.5	54.
36.3	104.8	12169.5	200.0	-56.4	99.9	257.5	18.1	17.7	3.2	343.5	999.9	99.9	99.9	26.1	56.
38.2	110.4	13015.6	175.0	-59.1	99.9	264.2	18.0	15.0	1.5	350.7	999.9	99.9	99.9	29.5	59.
40.2	116.5	13984.5	150.0	-59.9	99.9	239.0	8.0	7.9	4.0	365.1	999.9	99.9	99.9	31.6	61.
42.6	123.5	15104.4	25.0	-62.4	99.9	256.4	12.4	11.1	2.3	362.1	999.9	99.9	99.9	34.5	61.
44.6	131.0	16489.9	100.0	-62.4	99.9	262.3	1.9	6.7	1.7	407.2	999.9	99.9	99.9	35.4	63.
46.7	139.3	18770.1	75.0	-60.9	99.9	289.4	0.7	0.3	-0.1	445.3	999.9	99.9	99.9	36.3	64.
48.7	147.0	20803.4	50.0	-57.6	99.9	101.4	2.0	-2.0	0.4	507.7	999.9	99.9	99.9	35.5	63.
50.1	155.7	25283.2	25.0	-48.9	99.9	87.7	7.7	-1.7	-0.3	644.6	999.9	99.9	99.9	30.6	60.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662
RAPID CITY, SOUTH DAKOTA

12 JUNE 1976
224 GMT

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DL DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT T DG K	E PCT T DG K	WX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.8	966.0	889.6	18.3	7.1	300.0	12.9	11.2	-6.4	301.4	321.1	7.2	48.0	0.0	0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	17.2	1108.2	875.0	18.5	6.1	274.7	17.3	17.3	-1.4	303.0	321.8	6.8	44.2	0.5	97
1.4	19.6	1155.7	850.0	15.9	4.2	275.3	20.3	20.2	-1.9	303.0	320.0	6.1	45.6	1.3	96
2.3	21.8	1609.3	825.0	16.1	2.8	283.2	19.7	19.2	-4.5	303.7	321.0	5.7	40.7	2.5	97
3.1	24.3	1870.2	800.0	14.5	1.6	296.9	16.0	16.3	-7.2	306.6	322.1	5.4	41.5	3.3	100
3.9	26.6	2137.4	775.0	12.3	0.7	311.4	14.0	10.5	-9.2	307.7	322.0	5.2	45.0	4.0	104
4.7	29.2	2411.4	750.0	10.0	-0.7	321.4	13.9	8.7	-10.9	307.4	321.5	4.9	47.5	4.6	109
5.6	31.9	2652.5	725.0	8.2	-1.2	348.4	10.5	2.1	-10.2	308.4	322.5	4.8	51.5	5.1	113
6.6	34.6	2982.0	700.0	7.1	-1.3	33.9	5.3	-3.9	-4.4	310.4	323.0	5.0	55.1	5.2	119
7.6	37.0	3291.4	675.0	6.5	-1.4	107.2	3.6	-3.4	1.2	312.9	323.1	5.3	68.9	4.7	119
8.7	39.9	3590.0	650.0	3.8	-1.4	170.4	6.3	-1.0	1.2	313.3	323.0	4.8	70.3	4.5	112
10.0	42.6	3907.8	625.0	1.4	-3.4	185.4	12.5	1.2	19.3	314.1	323.3	4.0	57.5	4.3	93
11.4	45.5	4235.5	600.0	-1.0	-4.3	181.4	19.3	0.5	24.6	315.4	323.4	2.9	55.2	4.7	68
12.9	48.5	4574.0	575.0	-3.1	-10.8	180.9	24.6	0.4	25.9	317.4	323.4	2.6	56.6	5.7	49
14.2	51.4	4924.8	550.0	-5.6	-12.9	178.0	25.9	-0.9	27.2	317.4	323.1	2.4	67.2	7.0	37
15.3	54.5	5287.3	525.0	-9.2	-14.1	173.9	27.4	-2.9	27.2	317.8	323.4	2.4	83.9	8.6	26
16.7	57.6	5663.1	500.0	-12.5	-15.7	169.2	27.8	-5.7	28.6	318.1	323.4	2.3	99.6	10.8	18
18.2	61.0	6042.2	475.0	-16.0	-16.1	168.9	29.2	-5.7	28.6	319.0	324.4	1.7	90.2	13.8	12
20.1	64.4	6457.3	450.0	-19.3	-20.4	174.1	26.3	-3.7	28.1	320.2	324.5	1.3	88.3	16.7	5
22.1	67.7	6880.3	425.0	-22.5	-23.9	179.3	25.5	-0.3	28.1	321.8	323.7	0.6	46.9	19.2	8
23.9	71.2	7322.6	400.0	-25.6	-33.6	181.5	24.1	0.6	28.1	323.3	323.7	0.2	23.0	21.2	7
25.3	75.0	7788.8	375.0	-27.4	-42.1	170.3	21.6	-3.7	21.3	325.3	326.2	0.2	24.0	23.3	5
27.0	79.0	8282.2	350.0	-31.0	-44.4	169.9	19.7	-3.5	19.4	327.0	327.8	0.1	23.5	25.1	4
28.9	81.0	8804.3	325.0	-34.8	-48.1	161.3	15.9	-4.9	15.0	328.8	329.3	0.1	23.7	26.9	2
30.7	87.2	9354.7	300.0	-39.0	-51.9	168.3	15.4	-5.1	15.0	330.4	330.9	0.1	99.9	28.7	2
32.7	91.8	9849.0	275.0	-43.9	-58.9	163.9	17.5	-6.9	16.9	331.6	331.6	99.9	99.9	31.6	360
34.9	94.5	10584.2	250.0	-47.7	-64.9	154.7	15.7	-6.7	14.2	335.2	335.2	99.9	99.9	32.2	359
36.6	101.4	11270.3	225.0	-52.5	-69.9	166.2	11.1	-2.7	10.8	338.0	338.0	99.9	99.9	34.5	359
39.8	107.2	12020.2	200.0	-57.6	-74.9	184.7	16.9	0.2	16.9	352.7	352.7	99.9	99.9	37.2	358
42.4	113.0	12902.3	175.0	-50.6	-84.9	178.3	13.7	-0.4	13.6	363.4	363.4	99.9	99.9	40.1	359
45.2	119.3	13995.3	150.0	-55.5	-94.9	184.6	11.6	1.7	11.5	374.4	374.4	99.9	99.9	42.0	359
49.0	125.7	15043.6	125.0	-57.7	-99.9	200.4	10.2	3.6	9.6	390.4	390.4	99.9	99.9	43.2	0
53.5	135.0	16440.6	100.0	-62.8	-99.9	270.2	3.4	3.4	-0.0	406.4	406.4	99.9	99.9	44.1	360
60.2	143.0	18215.4	75.0	-58.7	-99.9	58.7	0.7	-6.6	-0.4	448.8	448.8	99.9	99.9	45.7	356
73.3	153.3	20761.6	50.0	-56.5	-99.9	115.9	0.1	-8.5	2.7	510.4	510.4	99.9	99.9	49.0	999
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 734
SAULT STE. MARIE, MICHIGAN12 JUNE 1972
250 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES IN	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	221.0	987.5	14.4	7.2	80.3	3.1	-3.1	-0.5	289.6	305.6	6.5	62.0	0.0	0.
99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.3	8.1	329.0	975.0	15.6	4.5	76.3	10.2	-9.9	-2.3	290.8	305.3	5.4	47.5	0.3	243.
1.2	10.1	549.2	950.0	14.5	4.1	77.7	11.1	-10.9	-2.4	291.9	306.5	5.4	49.5	0.7	251.
1.9	12.1	773.5	925.0	12.2	2.9	76.5	10.0	-9.4	-2.3	291.8	305.6	5.1	53.0	1.2	254.
2.8	14.1	1022.5	900.0	10.5	1.0	75.9	7.3	-7.1	-1.8	292.3	304.8	4.6	51.9	1.7	254.
3.7	16.3	1237.2	875.0	10.6	2.4	73.9	3.1	-3.0	-0.9	294.8	309.1	5.2	57.2	2.0	255.
4.7	18.5	1478.4	850.0	9.9	2.6	73.6	2.6	1.0	-2.5	296.5	311.5	5.5	61.0	2.0	254.
5.6	20.6	1727.6	825.0	11.7	-3.5	72.9	5.7	3.2	-4.7	301.0	311.3	3.6	34.6	2.0	246.
6.7	22.9	1977.6	800.0	11.0	-5.5	70.7	7.6	6.0	-4.6	302.9	312.2	3.2	30.9	1.9	235.
7.5	25.2	2227.7	775.0	9.7	-9.7	72.3	8.5	5.0	-6.8	304.3	311.4	2.4	24.4	1.9	222.
8.5	27.5	2520.3	750.0	9.0	-17.4	72.3	9.9	5.9	-8.0	306.3	310.4	1.3	13.6	2.1	208.
9.6	29.9	2799.8	725.0	7.7	-17.3	72.2	11.6	7.1	-9.2	307.9	311.5	1.1	12.5	2.5	193.
10.6	32.4	3088.2	700.0	6.2	-19.9	71.5	12.7	8.6	-9.3	309.4	313.0	1.1	13.3	3.0	192.
11.8	35.0	3384.6	675.0	3.8	-20.1	71.2	13.1	9.8	-8.8	309.9	313.5	1.1	14.4	3.7	171.
12.9	37.3	3690.1	650.0	1.8	-21.9	70.8	13.5	10.6	-8.3	311.0	314.3	1.0	15.1	4.4	163.
14.0	40.0	4004.9	625.0	0.2	-24.7	71.1	14.2	10.7	-9.3	312.6	315.3	0.8	13.3	5.2	157.
15.3	42.6	4331.2	600.0	-1.2	-24.6	71.2	15.1	10.2	-11.0	314.8	317.7	0.9	14.9	6.2	153.
16.5	45.4	4668.9	575.0	-3.7	-22.6	71.9	16.4	10.6	-12.6	315.6	319.2	1.1	21.4	7.4	151.
17.8	48.3	5018.0	550.0	-6.5	-23.9	72.5	16.4	9.3	-13.5	316.4	320.0	1.1	25.8	8.6	150.
19.2	51.0	5379.3	525.0	-9.1	-27.4	72.7	17.3	9.2	-14.6	317.5	320.0	0.9	23.9	10.0	149.
20.6	54.0	5755.6	500.0	-10.7	-30.7	72.7	18.6	11.7	-14.5	320.0	322.0	0.6	17.4	11.6	149.
21.8	56.9	6149.0	475.0	-13.6	-33.0	73.3	17.3	12.3	-12.2	321.2	322.9	0.5	17.5	12.9	148.
23.4	60.1	6555.9	450.0	-16.5	-36.7	73.7	15.9	10.6	-11.7	322.4	323.7	0.4	15.5	14.4	147.
25.1	63.6	6984.5	425.0	-19.4	-40.0	70.9	17.8	15.3	-9.1	324.2	325.2	0.3	14.1	16.0	145.
26.8	66.8	7432.6	400.0	-22.4	-41.9	70.9	16.7	15.7	-5.7	326.0	326.8	0.2	14.8	17.5	142.
28.8	70.3	7922.8	375.0	-26.6	-44.7	70.2	18.6	17.5	-6.4	326.4	327.1	0.2	16.1	19.3	138.
30.6	73.9	8370.8	350.0	-30.0	-47.5	70.7	16.9	14.5	-7.6	328.3	328.8	0.1	16.1	21.1	136.
32.5	77.9	8920.0	325.0	-35.1	-50.7	70.4	17.3	13.3	-11.1	329.9	329.9	99.9	18.5	23.0	134.
34.1	81.7	9472.3	300.0	-40.1	-54.9	70.7	18.7	6.2	-17.6	329.5	329.5	99.9	99.9	25.1	134.
36.5	85.9	10059.3	275.0	-45.4	-59.9	70.7	20.9	5.8	-20.1	332.8	332.8	99.9	99.9	27.0	134.
38.9	90.4	10689.1	250.0	-49.3	-64.9	71.3	20.5	5.8	-20.1	335.4	335.4	99.9	99.9	29.8	139.
41.4	95.3	11372.5	225.0	-54.2	-69.9	71.6	23.0	19.9	-11.5	337.7	337.7	99.9	99.9	35.7	137.
44.1	100.3	12117.3	200.0	-60.1	-74.9	72.9	24.3	25.0	-13.3	345.8	345.8	99.9	99.9	39.9	136.
47.1	105.8	12942.2	175.0	-63.1	-79.9	73.6	27.7	19.4	-10.6	349.4	349.4	99.9	99.9	46.5	134.
50.8	112.0	13936.4	150.0	-58.5	-84.9	74.7	29.6	15.3	-12.3	389.6	389.6	99.9	99.9	52.7	134.
55.2	118.7	15051.4	125.0	-54.2	-89.9	75.9	13.8	12.4	-6.0	411.2	411.2	99.9	99.9	57.9	133.
60.7	126.5	16459.1	100.0	-60.3	-94.9	76.9	10.4	7.1	-7.6	448.3	448.3	99.9	99.9	62.7	133.
67.1	135.3	18249.5	75.0	-59.5	-99.9	77.1	10.4	7.1	-7.6	448.3	448.3	99.9	99.9	64.7	134.
76.6	144.3	20805.0	50.0	-55.9	-99.9	76.3	4.7	-3.2	-3.4	511.8	511.8	99.9	99.9	64.7	134.
91.2	154.0	25279.4	25.0	-49.9	-99.9	76.3	9.2	-9.0	-2.2	641.3	641.3	99.9	99.9	64.2	139.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
 INTL. FALLS, MINNESOTA

 12 JUNE 1976
 100 GMT

TIME MIN	CNTCT	HEIGHT GEM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	7.9	359.0	943.4	27.2	16.2	110.0	5.2	-4.9	1.9	303.6	336.5	12.1	51.0	0.0	0.
99.9	99.9	1000.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	9.0	491.7	950.0	19.78	12.1	99.9	99.9	99.9	99.9	257.2	322.2	9.4	61.2	99.9	99.9
1.2	10.9	711.3	950.0	18.3	12.1	99.9	99.9	99.9	99.9	298.0	323.8	9.7	67.2	99.9	99.9
1.9	13.1	945.7	930.0	16.8	9.7	99.9	99.9	99.9	99.9	298.4	322.2	8.7	65.2	99.9	99.9
2.8	15.2	1188.0	875.0	19.4	12.2	99.9	99.9	99.9	99.9	333.9	332.0	10.3	63.1	99.9	99.9
3.6	17.3	1437.4	850.0	17.9	14.1	166.3	14.5	-3.4	14.1	104.9	337.6	12.0	78.5	2.7	321.
4.4	19.6	1693.1	805.0	16.4	13.0	171.3	11.3	-1.7	11.2	306.0	337.7	11.5	80.4	3.3	326.
5.3	21.7	1955.3	800.0	15.4	8.2	173.5	11.4	-1.3	11.4	307.6	331.7	8.6	62.2	3.8	330.
6.1	24.1	2224.5	775.0	15.2	-1.7	182.1	12.3	0.4	12.3	310.2	323.0	4.4	31.3	4.2	334.
7.0	26.2	2501.4	750.0	13.1	2.9	186.8	11.8	1.4	11.7	310.8	329.1	6.3	49.9	4.9	338.
7.9	28.7	2755.9	725.0	11.4	0.7	195.7	10.3	2.8	9.9	311.9	328.2	5.6	47.9	5.4	341.
8.9	31.2	3078.1	700.0	9.2	0.5	203.4	10.3	4.1	9.4	312.7	329.3	5.7	54.4	5.9	345.
9.8	33.7	3378.5	675.0	6.5	-1.3	210.6	11.3	5.8	9.7	313.0	329.3	5.2	57.3	6.3	348.
10.8	36.1	3684.9	650.0	7.8	-3.7	215.3	12.6	7.3	10.3	313.3	326.6	4.5	57.7	6.9	353.
11.9	38.9	4003.5	625.0	1.0	-2.3	219.3	12.0	6.9	9.8	313.6	323.9	5.2	78.3	7.5	357.
12.9	41.3	4331.8	600.0	-1.2	-6.3	225.4	11.3	5.6	9.8	314.8	323.4	4.0	48.2	8.1	36.
14.2	44.2	4670.1	575.0	-3.6	-13.2	230.4	10.8	5.4	9.3	315.9	323.4	2.5	48.2	9.7	36.
15.3	47.1	5010.8	550.0	-5.9	-22.7	231.4	11.1	5.8	9.5	317.1	320.8	1.1	25.4	9.5	5.
16.4	50.1	5383.2	525.0	-7.6	34.1	234.6	9.1	6.4	6.5	319.3	320.7	0.4	10.0	10.1	7.
17.7	52.9	5761.2	500.0	-9.5	-43.1	236.4	5.6	5.4	1.3	321.4	322.0	0.2	4.5	10.4	9.
18.8	55.9	6154.6	475.0	-13.2	-77.9	237.0	4.6	4.3	-1.8	321.7	323.5	0.8	29.2	10.4	11.
20.0	59.1	6513.4	450.0	-17.0	-26.5	237.9	5.8	5.5	-1.9	321.8	325.1	1.0	42.9	10.4	13.
21.4	62.6	6939.9	425.0	-20.0	-35.8	238.0	6.4	6.3	-0.9	323.3	324.9	0.4	22.9	10.3	16.
22.7	66.0	7335.6	400.0	-23.4	-41.7	239.9	7.6	7.6	1.0	324.6	325.5	0.2	16.5	10.5	18.
24.1	69.5	7905.8	375.0	-24.9	-43.0	237.0	9.4	7.0	4.6	326.0	326.8	0.2	19.9	10.9	22.
25.7	73.3	8393.3	350.0	-31.0	-45.7	236.4	11.4	8.3	7.9	326.2	327.6	0.2	22.0	11.7	23.
27.1	77.2	8920.5	325.0	-34.8	-46.1	225.4	15.7	11.2	11.0	325.7	329.4	0.2	30.4	12.3	25.
28.6	81.3	9471.0	300.0	-40.1	99.9	236.4	17.0	14.2	9.4	329.9	999.9	99.9	999.9	14.2	28.
30.3	85.7	10051.3	275.0	-45.0	99.9	237.9	15.8	14.3	8.9	330.0	999.9	99.9	999.9	15.7	31.
32.3	90.3	10689.6	250.0	-50.2	99.9	248.4	15.1	14.1	5.6	331.5	999.9	99.9	999.9	17.4	34.
34.4	95.4	11378.7	225.0	-52.5	99.9	264.1	20.2	20.1	2.1	339.0	999.9	99.9	999.9	19.0	38.
36.6	100.6	12132.2	200.0	-55.0	99.9	280.2	24.9	24.5	-4.4	345.6	999.9	99.9	999.9	21.0	43.
39.3	106.6	12479.4	175.0	-57.2	99.9	274.5	25.0	24.9	-2.9	355.6	999.9	99.9	999.9	23.8	53.
42.1	113.3	13946.0	150.0	-60.0	99.9	274.0	18.7	18.6	-2.9	366.7	999.9	99.9	999.9	25.8	59.
45.6	120.7	15078.5	125.0	-59.2	99.9	300.2	14.7	12.7	-7.4	387.9	999.9	99.9	999.9	29.1	64.
50.1	129.7	16475.7	100.0	-59.3	99.9	310.9	5.7	4.3	-3.8	413.1	999.9	99.9	999.9	30.1	68.
56.4	134.0	19265.8	75.0	-59.2	99.9	309.3	3.4	-1.7	-2.9	448.8	999.9	99.9	999.9	30.2	72.
65.4	150.0	20836.6	50.0	-56.1	99.9	21.2	4.0	-1.5	-3.4	511.3	999.9	99.9	999.9	29.2	74.
80.3	162.0	25339.5	25.0	-46.0	99.9	67.9	9.3	-8.6	-3.5	652.5	999.9	99.9	999.9	22.4	74.

* BY S - ED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 764
BISMARCK, NORTH DAKOTA

12 JUNE 1976
200 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	10.9	503.0	936.0	22.8	17.3	80.0	6.7	-6.6	-1.2	301.6	329.6	10.3	55.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	11.8	605.7	925.0	21.3	12.4	999.9	99.9	99.9	99.9	301.1	327.8	9.9	57.0	99.9	99.9
0.7	13.9	842.3	900.0	19.1	11.7	999.9	99.9	99.9	99.9	301.2	327.4	9.7	62.1	99.9	99.9
1.2	15.9	1044.1	875.0	17.0	11.6	999.9	99.9	99.9	99.9	301.4	328.2	9.9	70.7	99.9	99.9
1.7	18.1	1330.9	850.0	14.3	13.1	10.4	15.9	-2.9	-15.6	301.1	331.4	11.2	92.5	0.8	133.0
2.2	20.2	1583.2	825.0	13.1	12.0	2.6	18.8	-8.4	-16.8	302.4	331.6	10.8	97.0	1.3	151.0
2.6	22.3	1842.9	800.0	12.7	11.4	49.9	16.9	-12.8	-11.1	304.7	336.0	10.7	97.1	1.5	172.0
2.9	24.5	2105.7	775.0	11.2	10.4	56.9	18.0	-16.5	-7.1	305.9	334.2	10.3	94.4	1.7	192.0
3.3	26.7	2384.2	750.0	10.7	10.0	91.7	18.0	-18.0	0.5	308.2	337.0	10.3	95.1	1.9	197.0
3.7	29.1	2667.6	725.0	10.2	9.5	109.3	19.6	-18.5	6.5	310.6	339.8	10.4	95.6	2.0	209.0
4.3	31.5	2960.3	700.0	9.5	8.9	125.3	24.0	-19.3	13.8	313.0	342.3	10.3	96.0	2.1	231.0
5.2	34.0	3262.7	675.0	8.8	8.2	137.7	28.7	-19.3	21.2	315.5	344.9	10.2	96.5	2.8	264.0
6.8	36.4	3573.3	650.0	5.8*	59.9	151.9	34.4	-16.2	30.4	315.5	349.9	99.9	99.9	5.0	298.0
8.6	39.1	3892.1	625.0	2.6*	59.9	999.9	99.9	99.9	99.9	315.4	359.9	99.9	99.9	99.9	99.9
9.2	41.4	4222.5	600.0	1.7	1.3	999.9	99.9	99.9	99.9	318.1	363.0	7.1	97.3	99.9	99.9
5.7	44.3	4565.1	575.0	-0.6	-0.9	999.9	99.9	99.9	99.9	319.3	363.1	6.3	97.8	99.9	99.9
10.0	47.1	4919.9	550.0	-2.7	-3.0	999.9	99.9	99.9	99.9	320.9	367.8	5.6	97.7	99.9	99.9
10.3	50.1	5289.0	525.0	-3.7	-4.1	999.9	99.9	99.9	99.9	324.0	374.7	5.4	96.7	99.9	99.9
12.1	52.9	5674.3	500.0	-4.7	-5.4	999.9	99.9	99.9	99.9	327.3	381.4	5.2	95.4	99.9	99.9
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 768
GLASGOW, MONTANA

12 JUNE 1976
30R GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DS	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTG GM/KG	PH PCT	RANGE KM	AZ DG
0.0	12.5	696.0	920.7	17.8	13.9	10.0	7.7	-1.3	-7.6	297.9	327.0	10.9	78.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	14.4	890.7	900.0	19.0	9.6	40.1	14.7	-9.5	-11.3	300.0	322.9	0.4	58.2	0.6	202.
1.4	16.4	1131.1	875.0	15.6	8.0	29.1	14.9	-7.2	-13.0	300.0	321.1	7.7	60.2	1.3	218.
2.1	18.5	1376.7	850.0	13.8	7.0	29.2	12.9	-6.3	-11.3	300.6	321.1	7.5	61.6	1.9	209.
2.9	20.7	1628.0	825.0	12.1	5.5	24.7	9.1	-3.8	-8.2	301.4	327.5	6.9	63.7	2.3	228.
3.5	23.0	1885.2	800.0	10.4	3.7	11.5	8.2	-1.6	-8.0	302.3	319.8	6.3	63.1	2.6	218.
4.1	25.3	2149.2	775.0	8.3	2.3	2.0	8.1	-0.3	-8.1	302.8	319.2	5.8	65.7	3.0	205.
4.8	27.6	2419.5	750.0	7.1	-0.4	149.7	5.6	1.0	-5.5	304.3	319.5	5.0	65.3	3.2	233.
5.6	30.1	2698.0	725.0	6.2	-2.2	341.2	3.9	1.2	-7.7	306.3	319.3	4.5	54.6	3.4	200.
6.5	32.6	2985.1	700.0	4.3	-3.1	303.5	3.6	3.0	-2.0	307.3	317.9	4.4	58.5	3.5	195.
7.2	35.2	3230.0	675.0	1.5	-4.2	264.5	5.5	5.5	0.5	307.3	319.5	4.2	65.8	3.5	195.
8.1	37.6	3583.0	650.0	-1.0	-5.8	245.2	9.2	8.3	3.9	307.8	319.1	3.8	69.8	3.3	189.
9.0	40.3	3895.9	625.0	-1.3	-12.2	251.3	12.3	11.6	3.9	310.9	319.3	2.4	43.4	3.0	197.
10.3	42.9	4219.9	600.0	-3.9	-16.5	261.3	15.5	15.4	2.4	311.6	317.1	1.7	35.6	3.0	158.
11.7	45.8	4554.1	575.0	-6.9	-18.0	264.2	19.0	18.9	1.9	311.9	317.8	1.9	48.2	3.6	136.
12.9	48.7	4898.9	550.0	-9.9	-14.2	266.8	17.0	17.0	0.9	312.3	319.5	2.3	71.3	4.6	122.
14.4	51.5	5257.2	525.0	-11.7	-14.3	274.9	13.5	17.4	-1.1	314.4	322.1	2.5	82.9	5.7	115.
15.6	54.6	5629.6	500.0	-14.1	-16.6	271.7	14.5	14.5	-0.4	315.9	322.5	2.1	81.3	6.7	113.
17.1	57.6	6017.2	475.0	-16.7	-19.4	270.2	12.3	12.3	-0.0	317.3	322.8	1.7	79.2	7.9	109.
18.7	60.9	6421.7	450.0	-18.9	-21.7	275.1	7.1	7.0	-1.1	317.5	324.3	1.5	78.6	8.8	105.
20.7	64.3	6845.5	425.0	-21.9	-24.7	261.9	5.4	5.3	0.8	320.9	324.9	1.2	77.6	9.4	107.
22.6	67.7	7289.4	400.0	-25.0	-28.0	215.3	4.9	2.9	4.0	322.5	325.7	0.9	75.8	9.9	104.
24.5	71.1	7755.2	375.0	-24.7	-32.1	194.1	2.2	0.5	2.1	323.6	326.0	0.7	72.3	10.0	101.
26.9	75.0	8246.4	350.0	-31.5	-35.1	131.8	8.8	-6.5	5.8	326.3	329.2	0.5	69.9	9.6	100.
28.6	79.0	8767.4	325.0	-35.0	-39.1	140.5	15.6	-9.2	12.1	329.4	329.8	0.4	66.0	8.5	94.
30.1	83.2	9319.9	300.0	-39.8	99.9	145.8	19.1	-9.6	16.5	329.2	999.9	99.9	99.9	7.6	85.
31.8	87.3	9803.7	275.0	-44.4	99.9	141.5	27.2	-13.0	24.0	330.2	992.9	99.9	99.9	7.0	69.
33.7	92.2	10539.5	250.0	-49.9	99.9	147.7	32.7	-17.5	27.4	331.9	999.9	99.9	99.9	7.3	41.
35.6	97.0	11220.6	225.0	-54.6	99.9	145.0	38.1	-21.4	31.5	334.8	999.9	99.9	99.9	9.2	16.
37.7	102.3	11755.5	200.0	-57.9	99.9	152.3	39.9	-18.5	35.2	341.1	999.9	99.9	99.9	13.3	158.
40.2	108.3	12325.1	175.0	-51.2	99.9	209.1	10.4	9.7	17.3	365.4	999.9	99.9	99.9	17.3	358.
43.1	114.5	13823.1	150.0	-53.3	99.9	211.1	22.5	11.4	19.3	378.2	999.9	99.9	99.9	23.6	3.
47.4	121.5	14998.7	125.0	-54.2	99.9	216.3	13.7	8.1	11.0	396.9	999.9	99.9	99.9	28.0	9.
52.6	129.5	16409.3	100.0	-60.3	99.9	186.8	4.3	0.5	4.3	411.2	999.9	99.9	99.9	27.4	14.
55.0	138.0	18214.1	75.0	-55.7	99.9	99.9	99.9	99.9	99.9	456.1	999.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 775
GREAT FALLS, MONTANA
12 JUNE 1976
205 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED W/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	1400	1900	0
0.0	16.5	1119.0	879.7	21.7	7.2	240.3	4.1	3.6	2.1	305.9	326.2	7.3	39.0	0.0	0.0	0.0
90.9	90.9	99.9	1000.0	99.9	90.9	99.9	99.9	99.9	99.9	97.9	997.9	99.9	999.9	999.9	999.9	999.9
90.9	90.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
90.9	90.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
90.9	90.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
90.9	90.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
0.2	16.9	1163.9	875.0	15.5	4.9	231.5	3.3	2.6	2.0	299.9	317.2	5.3	49.7	0.1	4.9	4.9
1.1	19.3	1408.3	850.0	12.3	4.4	248.9	3.6	3.3	1.3	299.1	316.2	6.2	58.6	0.3	5.7	5.7
1.9	21.5	1657.8	825.0	10.1	3.3	268.8	5.4	5.4	0.1	299.3	315.6	5.9	62.4	0.5	6.9	6.9
2.8	24.0	1912.8	800.0	7.5	2.3	274.0	6.0	6.0	-0.4	299.2	314.9	5.7	65.4	0.9	7.8	7.8
7.7	26.3	2173.9	775.0	5.4	1.7	281.1	6.5	6.2	-1.9	299.5	315.1	5.6	77.0	1.1	8.4	8.4
4.6	28.8	2441.2	750.0	3.3	-0.4	311.3	8.0	6.0	-5.3	300.1	314.0	5.0	76.7	1.4	9.3	9.3
5.5	31.4	2715.5	725.0	1.2	-2.6	316.2	9.8	6.8	-7.1	300.9	313.2	4.4	75.3	1.8	10.3	10.3
6.3	34.1	2997.2	700.0	-0.7	-3.6	315.0	9.7	6.8	-6.8	301.7	313.7	4.2	80.8	2.1	11.1	11.1
7.4	36.6	3287.4	675.0	-1.9	-10.1	304.4	6.6	5.4	-3.7	301.5	311.6	2.7	55.8	2.9	11.4	11.4
8.4	39.4	3587.0	650.0	-3.1	-13.2	291.9	5.3	4.9	-2.0	305.4	312.2	2.2	48.0	3.1	11.5	11.5
9.4	42.0	3896.8	625.0	-4.4	-6.4	273.8	4.5	4.5	-0.3	307.5	313.2	3.1	62.6	3.4	11.4	11.4
10.7	44.9	4217.5	600.0	-6.8	-9.7	279.9	5.2	5.1	-0.9	309.2	317.3	1.6	79.7	3.7	11.2	11.2
11.7	48.0	4549.0	575.0	-8.8	-17.7	281.9	5.4	5.3	-1.1	309.7	314.8	1.6	48.3	4.1	11.1	11.1
12.7	50.8	4893.3	550.0	-9.6	-19.4	266.3	4.0	4.0	0.3	312.7	317.4	1.5	44.6	4.4	11.0	11.0
14.0	54.0	5250.5	525.0	-12.7	-22.2	208.3	2.1	1.0	1.0	313.2	317.1	1.2	44.6	4.5	10.8	10.8
15.2	57.0	5622.1	500.0	-14.4	-25.0	157.2	0.4	-0.3	0.5	315.5	318.0	1.0	39.7	4.5	10.7	10.7
16.4	60.3	6000.4	475.0	-16.4	-27.1	268.3	1.6	1.6	0.0	317.7	323.6	0.9	38.8	4.5	10.7	10.7
17.9	63.7	6415.2	450.0	-18.6	-29.0	260.1	5.4	5.7	1.0	319.9	322.5	0.8	36.1	4.8	10.5	10.5
19.2	67.0	6835.7	425.0	-22.1	-31.4	229.5	4.3	3.3	2.8	320.6	322.9	0.6	42.3	5.2	10.3	10.3
20.4	70.3	7281.0	400.0	-26.1	-34.7	156.1	5.5	-3.2	5.0	321.0	322.9	0.5	44.3	5.1	9.9	9.9
21.9	74.3	7744.4	375.0	-30.2	-38.3	151.4	6.8	-3.2	5.9	321.7	323.0	0.4	44.5	4.8	9.4	9.4
23.5	78.3	8230.8	350.0	-34.6	-42.4	155.1	7.8	-2.8	7.3	322.1	323.0	0.3	44.8	4.5	8.7	8.7
25.4	82.3	8747.9	325.0	-38.9	-46.4	147.6	12.0	-6.4	10.1	323.1	323.0	0.2	50.9	4.2	7.3	7.3
27.1	86.5	9284.9	300.0	-42.9	-49.9	139.6	16.5	-10.7	12.6	324.9	323.0	0.2	59.9	4.0	5.1	5.1
29.8	91.2	9869.5	275.0	-46.7	-50.9	144.3	25.0	-14.4	20.4	327.6	323.0	0.2	65.9	5.4	8.0	8.0
31.9	95.8	10450.1	250.0	-50.0	-50.9	149.1	15.0	-1.2	13.7	331.8	323.0	0.2	65.9	7.5	35.4	35.4
33.9	100.4	11178.5	225.0	-54.2	-50.9	141.7	14.6	-4.6	13.8	332.5	323.0	0.2	65.9	9.2	35.1	35.1
36.3	106.1	11920.5	200.0	-55.4	-50.9	158.2	12.7	-4.8	11.8	345.0	323.0	0.2	65.9	11.2	34.8	34.8
39.4	112.3	12787.8	175.0	-50.7	-50.0	184.9	11.6	1.2	11.6	366.2	323.0	0.2	65.9	13.4	34.9	34.9
42.9	118.5	13785.5	150.0	-52.0	-50.9	147.2	17.1	2.1	16.9	380.5	323.0	0.2	65.9	16.0	35.2	35.2
47.2	125.8	14970.9	125.0	-51.5	-50.9	143.7	14.3	0.9	14.2	401.7	323.0	0.2	65.9	19.5	35.5	35.5
51.9	133.3	16409.0	100.0	-56.4	-50.9	183.6	12.6	0.8	12.6	418.9	323.0	0.2	65.9	23.9	35.6	35.6
57.7	141.0	18224.3	75.0	-53.7	-50.9	177.9	5.8	-0.2	5.8	447.7	323.0	0.2	65.9	28.5	35.8	35.8
65.7	149.0	20800.6	50.0	-54.6	-50.9	167.7	0.7	-0.3	-0.6	514.9	323.0	0.2	65.9	27.4	35.8	35.8
78.2	157.0	25309.8	25.0	-47.9	-50.9	112.1	9.8	-9.1	3.7	646.9	323.0	0.2	65.9	28.2	34.9	34.9

• BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

• BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

•• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC, ALABAMA12 JUNE 1975
235 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES NR	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	WX RTO GM/KS	RH PCT	RANGE KM	AZ DG
3.3	6.7	190.0	992.8	22.2	20.7	220.3	0.5	0.3	0.4	295.0	335.6	15.7	91.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	9.9	99.9	99.9	99.9	99.9	999.9	999.
0.9	5.4	340.5	975.0	27.0	14.0	287.8	0.2	0.2	-0.1	302.9	336.7	12.5	52.1	0.0	54.
1.9	10.5	570.2	950.0	25.4	14.7	260.0	0.6	0.6	-0.2	302.9	333.3	11.2	51.8	0.1	76.
2.9	12.7	803.8	925.0	23.1	11.3	261.6	0.5	0.5	0.1	303.0	331.4	10.5	53.9	0.1	84.
3.9	15.1	1042.3	900.0	20.9	12.4	244.4	0.8	0.7	0.3	303.0	331.6	10.1	58.6	0.1	78.
4.8	17.3	1285.6	875.0	18.8	11.4	241.1	0.6	0.5	0.3	303.3	331.0	9.4	62.4	0.2	75.
5.9	19.7	1534.0	850.0	16.6	11.4	257.0	0.3	0.3	0.1	303.5	331.0	10.0	71.2	0.2	73.
6.8	22.0	1787.7	825.0	14.2	11.0	326.4	0.5	0.3	-0.4	303.6	331.2	10.1	81.3	0.2	78.
7.9	24.4	2047.2	800.0	11.8	10.5	316.1	0.3	0.2	-0.2	303.7	331.3	10.1	91.7	0.2	84.
9.2	26.8	2312.8	775.0	9.9	9.4	277.2	1.1	-1.1	-0.2	303.7	329.4	9.0	90.4	0.2	84.
10.3	29.4	2595.1	750.0	8.1	5.5	283.3	1.5	-1.5	-0.0	303.4	326.7	7.6	83.8	0.1	74.
11.5	32.1	2865.6	725.0	9.7	-12.7	277.3	1.6	-0.0	-0.0	310.1	316.3	2.0	19.1	0.0	12.
12.7	34.9	3157.1	700.0	9.5	-5.4	280.3	0.6	0.6	-0.2	313.0	323.2	3.4	72.0	0.0	101.
14.2	37.4	3457.0	675.0	6.1	-7.7	279.5	1.5	1.5	-0.2	313.4	323.0	3.2	36.4	0.1	103.
15.4	40.3	3765.0	650.0	3.5	-17.0	267.2	1.8	1.7	-0.5	313.0	319.7	2.2	28.8	0.3	100.
16.7	43.0	4081.6	625.0	0.9	-16.7	278.1	1.3	0.9	-0.9	313.5	318.0	1.4	21.3	0.4	108.
17.9	45.9	4409.7	600.0	-1.1	-15.1	316.0	1.6	1.6	-0.3	313.9	322.7	2.5	42.6	0.5	111.
19.3	48.9	4747.1	575.0	-2.9	-17.1	275.9	2.8	2.8	-0.3	313.7	322.2	1.7	32.2	0.7	105.
20.8	51.8	5037.7	550.0	-5.8	-11.7	294.2	2.2	2.0	-0.9	317.2	326.1	2.9	63.0	0.9	104.
22.5	55.0	5452.3	525.0	-8.8	-15.6	277.6	3.4	3.3	-0.4	321.4	328.4	2.2	45.7	1.1	106.
24.1	58.1	5847.5	500.0	-17.8	-22.6	248.5	5.1	5.6	0.1	321.6	327.7	1.2	29.0	1.6	103.
25.6	61.6	6240.5	475.0	-17.5	-31.5	262.7	6.0	6.0	0.9	325.3	327.0	0.6	15.8	2.1	94.
27.2	65.1	6634.1	450.0	-13.7	-24.5	249.7	4.7	4.4	1.6	325.1	323.7	1.1	36.0	2.6	94.
28.8	68.6	7096.2	425.0	-15.9	-42.6	267.5	6.1	4.1	0.1	321.6	329.4	0.2	7.9	1.1	91.
30.7	72.2	7540.1	400.0	-19.2	-47.1	270.7	8.9	4.6	-2.3	333.1	330.9	0.2	9.9	3.9	92.
32.7	76.2	8014.8	375.0	-22.7	-47.8	279.0	10.8	15.7	-1.7	333.6	332.4	0.2	12.4	5.1	95.
34.6	80.3	8519.3	350.0	-25.7	-47.2	271.8	12.2	17.4	-0.3	332.4	331.4	0.1	12.3	6.3	95.
36.6	84.5	9048.8	325.0	-27.3	-48.9	257.7	11.0	17.4	2.3	331.5	328.0	0.1	13.9	7.5	93.
38.8	89.9	9609.0	300.0	-34.0	-51.2	264.6	12.6	12.6	1.2	333.7	335.2	0.1	18.8	9.0	91.
41.1	93.8	10209.6	275.0	-40.9	03.3	273.9	13.1	17.1	-0.7	333.2	333.9	99.9	50.9	17.8	91.
43.7	98.6	10843.8	250.0	-46.6	02.3	273.7	14.5	14.5	-0.9	333.8	333.9	99.9	99.9	12.8	91.
46.5	104.0	11541.5	225.0	-49.8	99.7	262.3	16.5	16.4	2.1	342.2	337.9	99.9	99.9	15.6	90.
49.1	109.8	12304.3	200.0	-53.9	99.9	265.2	18.1	18.1	1.5	347.5	339.9	99.9	99.9	19.3	90.
52.1	115.9	13153.3	175.0	-58.7	93.9	259.4	15.7	15.7	0.2	351.4	339.9	99.9	99.9	21.5	89.
55.1	122.8	14104.6	150.0	-65.1	99.9	258.6	15.0	14.7	3.0	357.9	339.9	99.9	99.9	24.3	89.
58.9	130.3	15210.6	125.0	-68.3	08.3	213.9	8.6	8.6	0.9	375.0	339.9	99.9	99.9	26.9	88.
63.2	139.3	16555.1	100.0	-69.0	03.7	260.8	5.4	5.7	0.9	435.8	339.9	99.9	99.9	28.8	87.
66.7	145.3	18285.6	75.0	-65.4	99.9	95.3	99.9	99.9	59.9	99.9	99.9	99.9	99.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 77001
UNIV. OF TENNESSEE12 JUNE 1977
231 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	CEM PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	7.4	302.0	978.0	20.4	18.2	0.0	0.0	0.0	0.0	295.4	330.8	13.6	87.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	7.7	325.9	975.0	22.0	18.8	15.2	0.2	0.1	0.2	297.3	334.6	14.2	92.5	0.0	0.
0.9	9.8	556.0	950.0	26.7	18.6	218.0	0.4	0.2	0.3	303.9	342.7	14.4	62.5	0.1	14.
1.7	11.7	790.0	925.0	23.4	18.0	247.0	0.3	0.3	0.0	303.3	337.0	12.5	62.9	0.1	24.
2.6	13.9	1029.5	900.0	21.4	14.6	322.4	0.8	0.5	-0.6	303.6	335.5	11.7	65.3	0.1	41.
3.5	15.0	1273.1	875.0	19.1	13.0	320.5	0.7	0.4	-0.5	303.7	333.2	10.8	67.5	0.1	80.
4.4	18.2	1521.8	850.0	16.6	11.6	356.0	0.9	0.1	-0.9	303.5	331.3	10.2	72.2	0.1	122.
5.3	20.5	1775.8	825.0	14.4	8.9	307.8	1.4	1.1	-0.0	303.8	328.0	8.8	69.8	0.1	124.
6.3	22.6	2035.2	800.0	12.3	6.4	280.5	2.3	2.1	-0.8	304.2	325.3	7.6	67.2	0.2	119.
7.2	25.1	2300.7	775.0	10.0	4.2	276.7	3.7	3.7	-0.4	304.6	323.4	6.7	67.2	0.4	113.
8.2	27.3	2573.1	750.0	8.4	3.7	267.1	3.1	3.1	0.2	305.7	324.8	6.8	73.2	0.7	103.
9.2	29.8	2853.5	725.0	8.6	-5.4	265.1	1.3	1.3	0.1	308.9	319.4	3.5	76.8	0.8	100.
10.4	32.4	3143.3	700.0	7.8	-8.9	316.5	2.4	1.1	-2.1	311.2	321.7	3.5	37.3	0.8	102.
11.4	35.0	3441.8	675.0	5.2	-6.5	345.1	3.6	0.9	-3.5	311.5	321.9	3.5	42.5	1.0	113.
12.5	37.4	3749.5	650.0	3.6	-12.1	3.5	4.0	-0.2	-4.0	313.1	320.2	2.3	30.5	1.1	124.
13.6	40.2	4066.7	625.0	1.0	-8.1	16.4	4.0	-1.1	-3.8	313.7	325.3	3.9	58.7	1.2	136.
14.7	42.8	4364.2	600.0	-0.9	-8.0	357.9	3.6	0.8	-3.6	315.1	325.8	3.5	58.5	1.4	146.
16.1	45.8	4732.5	575.0	-3.9	-7.9	347.5	3.7	0.8	-3.6	315.5	325.6	3.7	73.7	1.7	148.
17.2	48.8	5082.3	550.0	-5.8	-11.7	324.4	2.2	-1.2	-1.9	317.3	326.1	2.9	63.1	1.9	152.
18.5	51.6	5447.5	525.0	-5.7	-22.2	58.8	5.5	-4.7	-2.8	321.6	327.5	1.2	25.2	2.1	170.
19.8	54.8	5829.4	500.0	-7.6	-24.1	34.8	4.9	-2.8	-4.0	323.8	327.5	1.1	25.2	2.1	170.
21.2	57.9	6225.6	475.0	-10.4	-26.4	15.2	6.7	-1.7	-6.4	325.1	329.1	0.9	25.9	3.1	181.
22.7	61.1	6639.5	450.0	-13.4	-28.8	23.0	7.8	-1.7	-6.9	326.4	329.1	0.9	25.9	3.1	181.
24.5	64.7	7072.5	425.0	-16.2	-31.3	17.8	9.1	-2.8	-8.7	328.2	330.5	0.6	25.6	3.8	185.
26.2	68.2	7526.0	400.0	-19.6	-33.8	18.2	4.2	-2.6	-7.8	330.5	331.5	0.5	26.9	4.6	190.
28.0	71.8	8001.4	375.0	-23.3	-36.7	26.0	9.9	-3.4	-9.3	332.7	332.3	0.4	27.9	5.5	190.
30.0	75.8	8503.4	350.0	-26.7	-39.2	35.3	14.7	0.9	-14.6	334.8	334.1	0.4	29.3	6.8	190.
32.9	79.2	9034.4	325.0	-30.8	-42.7	347.4	17.5	3.8	-17.1	336.3	335.3	0.3	29.5	8.4	186.
34.0	83.2	10194.0	275.0	-36.1	-47.0	347.5	17.7	3.8	-17.2	336.5	335.2	0.2	29.5	10.3	182.
36.7	93.0	11835.1	240.0	-41.4	-50.9	357.8	20.7	0.8	-17.5	335.2	335.2	0.2	29.5	12.4	180.
39.7	99.1	13299.0	225.0	-45.7	-54.9	349.1	21.5	4.1	-21.1	341.3	341.3	0.9	29.9	15.0	180.
42.3	104.5	14235.3	200.0	-52.7	-58.9	345.5	29.7	7.5	-25.7	345.3	345.3	0.9	29.9	18.1	179.
45.2	110.8	15156.9	175.0	-57.8	-62.9	340.1	26.1	4.5	-25.7	345.3	345.3	0.9	29.9	22.2	176.
48.3	117.7	16107.1	150.0	-62.4	-64.8	339.8	27.1	5.4	-25.4	345.3	345.3	0.9	29.9	27.1	175.
51.6	125.5	16230.9	125.0	-64.8	-64.8	342.1	13.6	2.2	-17.8	345.3	345.3	0.9	29.9	31.1	174.
55.8	134.0	16565.6	100.0	-66.0	-66.0	342.1	7.5	2.4	-17.8	345.3	345.3	0.9	29.9	36.1	173.
61.5	143.0	18324.9	75.0	-63.9	-63.9	342.1	2.3	-1.0	-2.1	439.0	439.0	0.9	29.9	40.8	172.
68.9	152.7	20843.1	50.0	-68.3	-68.3	121.0	9.0	-7.7	4.7	500.1	500.1	0.9	29.9	41.6	175.
80.6	163.0	25311.7	25.0	-48.8	-48.8	99.9	99.9	99.9	99.9	644.4	644.4	0.9	29.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

Sounding Data

12 June 1976

1200 GMT

STATION NO. 149
MONETT, MISSOURI12 JUNE 1976
1107 GMT

160 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP C C	DEW PT C C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.8	438.0	980.7	18.4	14.7	160.0	2.6	-0.9	2.4	298.9	323.9	11.0	79.0	0.0	3.
0.9	92.9	92.9	1000.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	10.6	534.4	950.0	19.4	99.9	200.8	17.0	6.0	15.9	293.9	99.9	99.9	99.9	0.3	356.
1.1	12.7	768.7	925.0	20.6	13.7	210.3	10.5	9.7	16.9	300.4	329.2	10.7	64.4	1.0	14.
2.0	15.0	1001.6	900.0	19.7	14.9	226.2	17.5	12.7	12.1	301.9	336.1	12.0	73.6	2.0	27.
2.8	17.1	1248.6	875.0	18.2	16.0	226.2	19.6	14.2	13.6	302.7	338.3	12.2	87.3	2.9	33.
3.7	19.5	1493.2	850.0	16.3	15.2	230.9	13.5	10.5	8.5	303.2	339.1	12.9	93.1	3.0	37.
4.6	21.7	1747.4	825.0	14.6	12.3	225.5	11.4	8.2	8.0	304.0	339.1	11.0	86.5	4.4	39.
5.5	24.2	2008.1	800.0	16.0	-15.3	209.3	7.0	3.4	6.1	308.2	312.7	1.5	10.3	4.9	39.
6.3	26.5	2278.1	775.0	17.1	-21.1	188.7	9.4	1.4	9.2	312.2	315.2	0.9	5.8	5.3	37.
7.3	29.0	2554.3	750.0	15.0	-2.6	177.1	8.5	-0.4	8.5	312.8	325.5	4.2	29.7	5.7	34.
8.3	31.1	2841.9	725.0	12.7	-5.1	165.2	8.8	0.8	8.9	313.4	324.3	3.6	28.4	6.1	31.
9.3	33.1	3175.5	700.0	10.6	-8.0	155.7	8.9	2.2	8.6	314.2	326.4	4.1	35.7	6.7	29.
10.4	35.1	3437.1	675.0	8.1	-10.9	145.3	8.0	2.2	7.7	314.7	328.4	4.6	45.7	7.2	29.
11.4	37.1	3747.2	650.0	4.9	-3.1	189.6	7.2	1.2	7.1	314.5	328.5	4.7	56.0	7.7	29.
12.5	39.7	4066.5	625.0	3.2	-10.8	181.6	7.4	0.5	7.4	314.1	327.7	3.8	49.5	8.0	26.
13.5	42.4	4396.2	600.0	0.5	-14.5	193.9	7.4	1.8	7.2	310.7	325.3	2.8	42.3	6.5	25.
14.7	45.3	4736.0	575.0	-2.1	-14.5	218.7	9.0	5.6	7.0	317.6	324.4	2.2	38.2	9.1	25.
16.0	48.3	5087.6	550.0	-4.2	-34.3	234.3	7.8	6.4	4.6	319.2	320.5	0.4	7.8	9.7	27.
17.2	51.3	5453.4	525.0	-5.6	-32.4	220.7	8.4	5.6	4.5	321.7	323.4	0.5	10.3	10.2	28.
18.5	54.5	5834.3	500.0	-8.2	-20.0	218.9	8.9	5.6	6.9	323.0	328.2	1.6	38.1	10.9	29.
19.7	57.6	6230.0	475.0	-11.8	-18.4	217.9	10.4	6.4	8.2	323.3	323.5	1.9	57.7	11.6	29.
21.1	64.4	6642.0	450.0	-14.6	-16.7	220.1	11.0	8.3	7.2	324.9	332.3	2.3	82.8	12.4	30.
22.4	67.7	7073.9	425.0	-16.7	-17.5	248.7	12.1	11.2	4.5	327.5	335.1	2.3	93.1	13.3	32.
24.0	71.3	7528.0	400.0	-19.2	-22.8	240.3	15.9	13.8	7.9	330.1	335.3	1.6	77.1	14.4	35.
25.6	75.2	8005.0	375.0	-22.8	-26.7	248.1	15.9	15.7	6.3	331.4	334.7	0.6	58.2	15.0	38.
27.3	79.3	8507.1	350.0	-26.8	-25.7	247.0	18.7	17.4	7.0	332.6	334.5	0.5	42.4	17.4	41.
29.2	83.3	9037.6	325.0	-31.2	-40.9	248.9	18.7	17.9	8.4	333.9	335.0	0.3	37.4	19.3	44.
30.9	87.4	9590.3	300.0	-36.5	-44.1	250.5	18.6	18.4	8.5	334.0	334.9	0.2	45.0	21.1	46.
32.5	92.2	10195.5	275.0	-41.8	99.9	250.2	25.1	23.6	8.5	334.7	99.9	99.9	99.9	23.5	48.
34.9	96.8	10839.6	250.0	-41.5	99.9	251.9	24.9	33.2	1.0	344.4	99.9	99.9	99.9	27.1	51.
37.2	101.0	11548.4	225.0	-45.9	99.9	261.8	38.9	38.5	5.5	348.2	99.9	99.9	99.9	31.9	55.
39.9	107.5	12321.1	200.0	-52.1	99.9	271.7	42.4	42.4	-0.7	350.3	99.9	99.9	99.9	37.8	61.
42.9	113.3	13175.1	175.0	-57.2	99.9	272.4	35.7	35.6	-1.5	355.5	99.9	99.9	99.9	44.1	66.
46.1	119.7	14138.4	150.0	-62.9	99.9	256.9	20.6	26.8	6.0	361.8	99.9	99.9	99.9	49.6	68.
49.6	126.7	15248.0	125.0	-69.0	99.9	250.1	18.6	18.4	6.7	370.0	99.9	99.9	99.9	54.6	68.
54.1	134.7	16581.2	100.0	-76.8	99.9	277.9	10.0	9.9	-1.4	391.0	99.9	99.9	99.9	59.1	70.
59.5	142.7	18298.8	75.0	-66.5	99.9	219.2	4.4	2.8	3.4	431.5	99.9	99.9	99.9	61.3	70.
67.8	151.7	20808.8	50.0	-58.8	99.9	98.1	3.2	-7.2	0.5	505.0	99.9	99.9	99.9	60.5	70.
79.7	162.0	25250.6	25.0	-40.0	99.9	99.5	10.6	-10.5	1.7	643.8	99.9	99.9	99.9	56.6	68.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

12 JUNE 1976
1100 GMT

TIME MIN	CMCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.6	298.0	979.6	20.6	16.8	155.3	1.6	-0.7	1.5	295.5	328.0	12.4	79.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	8.0	338.9	975.0	22.3	14.6	99.9	99.9	99.9	99.9	297.6	326.2	10.8	61.5	999.9	999.9
1.2	10.2	565.6	950.0	22.6	14.4	999.9	99.9	99.9	99.9	300.1	329.4	10.9	59.8	999.9	999.9
2.1	12.3	797.9	925.0	22.1	12.1	297.0	11.9	10.6	-5.4	301.9	328.2	9.7	53.1	1.1	112.
3.0	14.6	1035.8	900.0	20.9	11.8	295.4	8.5	7.7	-3.7	303.1	329.7	9.7	56.0	1.7	113.
4.0	16.7	1279.4	875.0	19.6	12.5	307.9	6.4	5.1	-4.0	304.2	332.9	10.5	63.6	2.1	115.
4.9	19.1	1529.0	850.0	18.0	11.9	320.2	5.4	3.4	-4.1	305.1	333.6	10.4	67.3	2.4	117.
5.9	21.3	1784.2	825.0	15.6	12.0	306.3	4.1	3.3	-2.4	305.1	334.6	10.7	79.0	2.7	119.
6.7	23.8	2045.0	800.0	13.2	11.4	312.5	4.4	3.2	-3.0	305.3	334.6	10.7	85.7	2.9	120.
7.7	26.0	2311.9	775.0	11.2	10.0	274.7	3.6	3.5	-0.3	305.3	333.6	10.1	92.9	3.1	119.
8.6	28.6	2585.5	750.0	8.9	7.9	278.2	3.8	3.7	-0.5	306.3	331.2	9.0	93.0	3.3	119.
9.6	31.2	2866.0	725.0	7.0	5.9	288.5	4.5	4.3	-1.4	307.1	329.8	8.1	92.7	3.5	117.
10.7	33.8	3154.3	700.0	5.4	1.9	292.6	4.3	4.0	-1.7	308.5	326.6	6.3	78.1	3.8	117.
11.9	36.4	3451.3	675.0	4.2	-1.9	292.6	3.5	3.2	-1.3	310.3	324.1	4.9	64.6	4.1	116.
13.2	39.0	3757.2	650.0	1.7	-3.5	312.7	4.9	3.6	-3.3	310.9	324.1	4.5	67.8	4.4	116.
14.6	41.7	4072.7	625.0	-0.4	-4.7	310.8	4.6	1.5	-4.4	312.0	324.9	4.3	72.7	4.8	116.
16.0	44.6	4398.2	600.0	-3.3	-5.6	311.1	4.6	-1.4	-4.6	312.4	324.5	4.2	82.9	5.0	123.
17.4	47.6	4724.2	575.0	-4.3	-34.2	337.1	3.4	1.3	-3.2	314.9	318.9	1.3	26.4	5.2	126.
18.6	50.5	5083.7	550.0	-5.1	-53.2	290.9	2.9	2.7	-1.0	318.0	319.2	0.0	1.0	5.3	125.
19.9	53.5	5447.4	525.0	-7.7	-42.9	274.3	3.9	3.9	-0.3	319.2	323.2	0.3	7.0	5.6	125.
21.2	56.6	5825.0	500.0	-10.0	-52.3	277.4	4.8	4.7	-0.6	320.8	321.1	0.1	1.0	5.9	123.
22.7	60.0	6219.2	475.0	-12.9	-58.1	276.5	7.0	7.0	-0.9	322.1	322.2	0.0	1.0	6.4	121.
24.2	63.4	6628.7	450.0	-15.4	-57.7	269.1	7.8	7.8	0.3	323.9	323.9	0.0	1.0	7.0	119.
25.6	66.7	7037.8	425.0	-18.3	-61.6	271.6	8.7	8.7	-0.2	325.5	325.6	0.0	1.0	7.6	116.
27.0	70.3	7507.4	400.0	-21.8	-63.0	280.4	9.4	9.2	-1.7	326.7	326.8	0.0	1.0	8.3	114.
28.6	74.0	7979.1	375.0	-25.3	-66.1	295.5	11.7	10.5	-5.0	328.1	329.1	0.0	1.0	9.3	113.
30.2	78.0	8476.3	350.0	-29.0	-68.5	305.3	14.1	11.5	-8.1	329.6	329.7	0.0	1.0	10.6	115.
32.1	81.8	9001.6	325.0	-33.0	-71.2	297.5	12.2	10.9	-5.7	331.1	331.2	0.0	1.0	12.1	115.
34.3	86.0	9558.7	300.0	-38.0	-74.5	266.4	13.6	12.2	-6.1	331.8	331.8	0.0	1.0	13.6	115.
36.4	90.6	10152.2	275.0	-41.9	-69.9	314.4	10.0	13.6	-10.0	334.5	334.5	99.9	99.9	15.7	116.
38.0	95.3	10791.7	250.0	-46.4	-64.4	321.3	22.9	14.3	-17.8	340.7	340.7	99.9	99.9	18.2	119.
41.5	109.3	11484.2	225.0	-50.8	-69.3	317.5	28.8	18.5	-21.2	346.7	346.7	99.9	99.9	21.1	122.
44.5	124.8	12245.0	200.0	-54.3	-69.9	316.2	20.4	14.4	-15.0	352.1	352.1	99.9	99.9	25.7	124.
47.4	141.5	13092.2	175.0	-59.3	-69.9	313.2	21.3	15.5	-14.6	354.6	354.6	99.9	99.9	29.7	127.
51.1	158.0	14011.5	150.0	-62.4	-69.9	314.5	18.1	12.0	-13.5	379.2	379.2	99.9	99.9	34.7	127.
55.2	174.3	15112.8	125.0	-64.0	-69.9	314.5	18.1	4.9	-13.5	403.1	403.1	99.9	99.9	38.8	128.
60.0	194.3	16332.4	100.0	-64.5	-69.9	314.5	7.2	2.4	-2.9	444.5	444.5	99.9	99.9	42.7	129.
64.0	214.3	18291.5	75.0	-61.3	-61.3	314.5	3.8	2.4	-3.4	507.3	507.3	99.9	99.9	45.8	131.
74.2	250.3	20817.4	50.0	-57.0	-57.0	314.5	5.1	-5.7	3.6	647.9	647.9	99.9	99.9	47.7	136.
87.1	300.0	25291.9	25.0	-57.0	-57.0	314.5	6.7	-5.7	3.6	647.9	647.9	99.9	99.9	47.7	136.

BY SPEED MEANS ELEVATION
BY TEMP MEANS TEMPERATURE
BY SPEED MEANS ELEVATION
BY TEMP MEANS TEMPERATURE
BY SPEED MEANS ELEVATION
BY TEMP MEANS TEMPERATURE

STATION NO. 433
SALEM, ILLINOIS12 JUNE 1976
1100 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	W/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DEG
0.7	6.6	175.0	991.3	17.8	16.1	170.0	3.6	-0.6	3.5	291.7	322.0	11.7	90.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	6.0	320.4	975.0	24.6	16.9	213.0	11.0	6.0	9.2	299.9	323.1	12.5	62.1	0.3	28.
1.3	10.2	548.2	950.0	23.2	15.1	223.0	9.5	6.5	6.9	300.8	321.7	11.5	60.4	0.8	33.
2.1	12.3	780.2	921.0	21.1	13.2	231.1	11.4	8.9	7.2	300.9	328.9	10.4	60.7	1.2	39.
2.9	14.6	1016.9	900.0	18.8	12.8	231.0	10.6	8.2	6.7	300.9	328.9	10.4	60.0	1.8	43.
3.8	16.7	1258.5	875.0	16.9	12.4	224.9	11.6	8.1	6.2	301.3	329.5	10.4	74.7	2.3	44.
4.5	19.1	1507.5	850.0	16.4	0.7	222.2	11.7	7.8	6.7	301.3	316.9	4.8	34.6	2.9	44.
5.4	21.3	1759.7	825.0	16.7	-4.7	175.6	9.6	3.1	9.1	306.2	316.0	3.3	23.2	3.4	42.
6.2	23.8	2020.7	800.0	15.0	-9.4	173.9	8.8	-0.9	8.8	307.1	314.5	2.5	18.4	3.8	38.
7.1	26.1	2269.0	775.0	14.8	-22.1	166.7	7.2	-1.7	7.0	309.8	312.9	1.0	7.4	4.1	33.
8.1	28.6	2565.1	750.0	12.1	1.3	166.0	6.6	-1.4	6.4	309.7	325.9	5.6	47.5	4.3	29.
9.1	31.2	2848.0	725.0	9.7	-0.0	175.	5.3	-0.4	5.3	310.1	325.5	5.3	50.7	4.6	27.
10.1	33.9	3134.1	700.0	8.0	-25.1	162.7	2.1	0.1	2.1	311.3	313.3	0.6	6.4	4.4	26.
11.0	36.3	3437.2	675.0	6.9	-40.5	112.0	0.3	-0.1	-0.3	313.4	314.0	0.2	1.6	4.9	25.
12.1	39.1	3745.7	650.0	4.7	-46.6	87.5	0.8	-0.8	-0.0	314.3	314.7	0.1	1.1	4.8	25.
13.2	41.8	4063.6	625.0	2.7	-46.4	144.7	2.0	-1.2	1.6	314.9	315.2	0.1	1.3	4.8	24.
14.3	44.7	4331.7	600.0	0.5	-49.6	175.4	4.6	-0.4	4.6	316.7	317.0	0.1	1.0	5.7	23.
15.4	47.6	4732.0	575.0	-1.3	-50.7	187.5	6.6	9.9	6.5	318.5	318.8	0.1	1.0	5.3	21.
16.6	50.6	5094.5	550.0	-3.8	-59.5	192.0	6.1	1.3	6.0	319.6	320.5	0.1	4.3	5.8	20.
17.7	53.6	5450.2	525.0	-5.7	-59.4	219.1	4.3	2.7	3.4	321.6	324.2	0.8	16.7	6.2	22.
19.9	56.6	5830.6	500.0	-8.5	-59.1	255.9	4.5	4.3	1.1	322.7	325.6	0.9	21.6	6.4	22.
20.3	60.0	6226.4	475.0	-11.0	-20.7	241.9	3.8	3.3	1.8	324.4	325.5	1.2	4.9	6.6	25.
21.8	63.4	6639.8	450.0	-13.4	-39.2	253.3	3.4	3.2	0.9	326.5	329.1	0.5	1.5	6.9	20.
23.2	66.9	7074.3	425.0	-14.9	-59.4	291.5	6.1	5.7	-2.2	329.9	330.0	0.7	1.0	7.7	29.
24.7	73.4	7530.2	400.0	-18.1	-61.5	286.5	9.6	9.2	-2.7	331.3	331.4	0.0	1.0	7.1	35.
26.4	74.1	8008.1	375.0	-21.6	-63.7	274.2	13.4	13.4	-1.0	333.0	334.1	2.0	0.0	7.6	42.
28.9	82.0	9043.7	325.0	-30.9	-59.4	276.0	4.8	15.3	-1.6	334.2	334.3	0.2	4.1	9.9	56.
31.6	90.8	10203.8	275.0	-46.7	-58.5	282.6	3.0	12.7	-2.4	334.7	334.7	0.0	7.7	11.0	62.
33.6	95.7	10846.4	250.0	-43.3	99.9	286.1	4.9	13.0	-7.3	334.7	334.7	99.9	99.9	12.1	68.
35.6	100.7	11546.8	225.0	-47.1	99.9	295.5	12.5	21.6	-6.5	334.7	334.7	99.9	99.9	13.8	74.
37.8	106.2	12316.5	200.0	-52.7	99.9	296.1	14.4	30.9	-15.1	334.3	334.3	99.9	99.9	16.9	81.
40.3	112.0	13165.3	175.0	-59.6	99.9	298.4	37.9	33.1	-18.0	331.6	331.6	99.9	99.9	20.8	88.
43.0	119.3	14119.4	150.0	-62.4	99.9	289.0	37.6	22.3	-7.7	332.7	332.7	99.9	99.9	25.3	94.
45.9	125.8	15235.7	125.0	-67.0	99.9	294.0	16.2	14.8	-6.6	333.7	333.7	99.9	99.9	30.8	98.
49.2	134.0	16591.7	100.0	-69.2	99.9	282.2	9.6	9.4	-2.0	334.1	334.1	99.9	99.9	37.9	101.
53.1	142.1	18332.1	75.0	-63.6	99.9	215.9	2.4	-0.9	-2.2	339.6	339.6	99.9	99.9	39.2	102.
58.5	152.0	20852.7	50.0	-57.3	99.9	69.5	5.9	-5.6	-2.1	508.4	508.4	99.9	99.9	38.6	103.
66.0	162.5	23752.3	25.0	-47.3	99.9	117.6	7.8	-6.9	3.6	648.8	648.8	99.9	99.9	32.9	105.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

12 JUNE 1976
1115 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	GIR DG	SPEED M/SP	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH DCT	RANGE KM	AZ DG
0.0	13.7	791.0	914.0	18.9	10.0	250.2	5.7	5.4	1.9	299.7	323.8	8.9	59.7	0.0	0.0
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	15.1	924.1	910.0	22.8	-9.9	999.3	99.9	99.9	99.9	105.0	311.6	2.2	11.6	999.9	979.0
1.4	17.4	1169.5	875.0	24.2	-35.2	999.9	99.9	99.9	99.9	308.9	309.7	0.2	1.0	999.9	999.0
2.2	19.9	1421.1	850.0	22.3	-36.3	999.9	99.9	99.9	99.9	309.5	310.2	0.2	1.0	999.9	999.0
3.0	22.2	1678.6	825.0	20.5	-37.4	266.0	11.3	1.8	-3.1	310.2	312.9	0.2	1.0	2.3	10.0
3.9	24.8	1612.4	800.0	18.5	-38.6	278.4	14.3	1.1	-2.1	310.9	311.5	0.2	1.0	3.0	10.0
4.6	27.2	2212.8	775.0	16.7	-39.7	253.5	13.9	1.0	1.5	311.8	312.4	0.2	1.0	3.7	10.0
5.7	30.0	2490.0	750.0	14.3	-41.1	253.5	11.6	1.1	3.3	312.1	312.6	0.1	1.0	4.3	9.0
6.6	32.7	2774.5	725.0	12.3	-42.4	241.4	12.3	10.8	5.9	313.0	313.5	0.1	1.0	4.8	9.0
7.5	35.5	3066.5	700.0	10.0	-43.8	234.1	15.4	12.5	9.0	313.6	314.2	0.1	1.0	5.5	9.0
8.6	38.1	3367.2	675.0	7.7	-45.1	220.0	18.9	14.5	12.1	314.3	314.7	0.1	1.0	6.4	8.0
9.7	40.9	3676.2	650.0	5.1	-46.6	207.4	23.1	17.0	15.6	314.8	315.0	0.1	1.0	7.5	7.0
10.8	43.5	3974.3	625.0	2.2	-48.0	224.5	26.2	18.4	18.6	315.2	316.0	0.1	1.0	8.8	7.0
11.7	46.9	4322.0	600.0	-0.9	-49.4	224.5	27.3	18.9	19.6	315.1	316.9	0.1	1.0	10.3	6.0
12.7	50.1	4659.4	575.0	-4.4	-51.7	224.5	27.8	19.5	19.8	316.9	318.7	0.0	1.0	11.9	6.0
13.8	53.1	5007.8	550.0	-7.0	-54.4	225.2	25.2	17.9	17.8	315.8	315.9	0.0	1.0	13.7	6.0
14.9	56.1	5368.9	525.0	-9.3	-55.8	228.2	24.6	16.4	16.4	317.3	317.4	0.0	1.0	15.1	6.0
16.0	59.5	5744.1	500.0	-11.9	-57.5	231.0	29.4	22.6	17.8	318.5	318.5	0.0	1.0	16.8	6.0
17.2	63.0	6134.2	475.0	-14.8	-59.3	229.5	29.8	21.9	18.7	319.7	319.8	0.0	1.0	18.9	5.0
18.4	66.4	6541.0	450.0	-17.6	-61.1	225.7	28.9	20.7	20.2	321.2	321.2	0.0	1.0	20.9	5.0
19.5	70.1	6966.7	425.0	-20.5	-63.0	221.9	29.5	19.7	22.0	322.7	322.8	0.0	1.0	22.9	5.0
20.6	73.7	7412.5	400.0	-23.9	-65.2	216.5	26.8	15.9	21.5	323.9	324.0	0.0	1.0	24.9	5.0
21.7	77.7	7879.9	375.0	-27.5	-67.5	221.4	29.0	19.2	21.8	325.2	325.2	0.0	1.0	27.9	5.0
22.8	81.7	8371.8	350.0	-31.8	-70.4	221.3	31.6	20.9	23.4	325.9	325.9	0.0	1.0	29.7	5.0
23.9	85.7	8893.7	325.0	-36.2	-73.3	225.7	33.4	24.2	23.6	326.3	326.3	0.0	1.0	32.1	5.0
25.0	90.2	9442.1	300.0	-39.3	-76.9	234.5	41.7	33.9	24.2	330.0	330.0	0.0	1.0	35.2	5.0
26.1	95.0	10076.6	275.0	-40.8	-79.9	228.2	51.7	38.5	34.5	336.1	336.1	0.0	1.0	43.5	5.0
27.8	99.8	10679.3	250.0	-45.2	-82.4	227.4	52.5	38.6	35.5	338.9	338.9	0.0	1.0	45.8	5.0
29.8	105.1	11300.2	225.0	-47.7	-84.7	232.2	53.3	42.1	32.7	345.5	345.5	0.0	1.0	51.9	5.0
31.8	110.6	12151.0	200.0	-52.1	-89.9	240.3	52.1	45.2	25.8	350.2	350.2	0.0	1.0	59.9	5.0
33.1	116.5	13004	175.0	-57.4	-99.9	235.8	49.1	42.4	24.7	355.1	355.1	0.0	1.0	65.8	5.0
34.8	123.5	13889	150.0	-58.7	-99.9	234.5	42.2	34.4	24.5	369.1	369.1	0.0	1.0	72.3	5.0
36.8	130.8	15122.4	125.0	-55.7	-99.9	245.3	18.9	17.2	8.0	376.9	376.9	0.0	1.0	76.3	5.0
41.7	146.7	16500.1	100.0	-65.8	-99.9	213.2	9.1	5.0	7.5	400.6	400.6	0.0	1.0	81.2	5.0
44.9	154.7	18240.3	75.0	-63.7	-99.9	197.7	17.4	3.8	11.8	439.4	439.4	0.0	1.0	84.0	5.0
50.0	167.0	20775.5	50.0	-59.5	-99.9	171.0	1.1	-0.0	4.0	503.4	503.4	0.0	1.0	93.2	5.0
57.6	180.0	25246.9	25.0	-50.5	-99.9	99.9	9.0	90.0	99.9	639.0	639.0	0.0	1.0	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS12 JUNE 1976
1110 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTD CM/KG	RM PCT	RANGE KM	AZ DG
0.0	0.2	288.0	973.8	22.8	16.8	170.0	4.1	-0.7	4.0	298.2	331.3	12.5	89.0	0.0	0.
0.9	0.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	77.9	99.9
0.9	0.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0.5	99.9
0.8	10.2	494.3	950.0	22.1	16.8	147.4	10.5	-5.7	8.8	299.6	333.8	12.8	72.2	0.5	191.
1.5	12.3	715.7	925.0	20.1	16.3	182.2	21.2	0.6	21.2	297.8	331.6	12.7	78.8	0.6	288.
2.4	14.5	952.8	900.0	20.2	16.5	222.1	26.3	17.6	19.5	302.4	338.0	13.3	79.2	1.4	13.
3.2	16.6	1197.4	875.0	21.7	15.0	216.5	24.6	14.3	16.3	306.3	340.3	12.4	65.9	2.6	28.
4.3	19.0	1499.1	850.0	20.7	13.7	215.2	20.4	11.7	16.6	307.8	340.2	11.7	64.3	4.0	29.
5.2	21.2	1707.6	825.0	19.8	12.2	207.4	18.6	8.6	16.5	309.5	340.1	10.9	61.6	5.0	30.
6.1	23.6	1975.1	800.0	20.7	-8.8	196.9	18.2	8.3	17.4	313.3	329.9	2.5	13.0	6.0	29.
7.2	25.9	2266.2	775.0	19.3	-11.6	191.3	17.9	3.6	17.5	314.5	328.8	2.0	11.1	7.1	26.
8.1	28.4	2526.6	750.0	17.2	-14.3	191.0	18.1	3.5	17.8	315.3	328.7	1.7	10.3	8.1	24.
9.2	31.0	2813.8	725.0	14.6	-14.9	193.9	15.3	3.7	18.4	315.5	328.7	1.7	11.5	9.2	23.
10.2	33.7	3108.6	700.0	11.8	-12.1	202.1	14.7	8.5	13.6	315.5	328.4	2.2	17.8	10.1	22.
11.3	36.1	3411.1	675.0	8.9	-4.7	213.3	12.8	7.1	16.7	315.6	327.7	4.0	37.7	11.0	23.
12.5	38.9	3721.9	650.0	5.6	-4.4	215.2	13.5	7.8	11.0	315.3	328.1	4.2	48.4	11.9	24.
13.6	41.8	4031.5	625.0	2.7	-5.0	219.2	13.3	8.4	10.3	315.5	328.3	4.2	57.0	12.7	25.
14.8	44.4	4370.3	600.0	-0.3	-6.1	223.1	13.5	9.2	9.8	315.8	328.3	4.0	64.8	13.7	26.
16.0	47.4	4709.3	575.0	-3.3	-6.4	223.8	14.1	9.8	10.2	316.1	328.7	4.1	79.7	14.6	27.
17.3	50.4	5059.8	550.0	-6.1	-6.8	224.8	15.5	10.9	11.0	316.8	328.5	4.2	98.0	15.7	28.
18.5	53.4	5422.6	525.0	-8.9	-10.2	218.1	16.7	10.3	13.1	317.7	328.1	3.4	90.9	16.8	29.
19.8	56.4	5798.9	500.0	-11.6	-14.5	208.4	17.3	8.2	15.2	318.9	328.8	2.5	79.3	18.2	30.
21.1	59.8	6199.9	475.0	-14.8	-17.6	207.4	16.6	7.6	14.7	319.7	328.1	2.0	79.2	19.6	29.
22.4	63.3	67.4	450.0	-17.5	-18.9	208.7	17.5	8.4	15.3	321.2	327.3	1.9	88.8	20.9	29.
24.0	66.6	723.1	425.0	-20.6	-21.5	205.6	16.1	7.0	15.5	322.6	327.9	1.6	92.0	22.5	29.
25.5	70.3	7469.4	400.0	-22.8	-37.1	207.8	14.3	8.5	16.2	325.4	328.4	0.4	25.3	23.9	29.
27.2	73.8	7940.3	375.0	-25.4	-43.6	220.4	21.8	14.2	16.6	327.9	328.7	0.2	14.1	26.0	29.
28.6	77.6	8437.6	350.0	-28.8	-47.4	226.4	28.6	20.7	19.7	329.9	339.5	0.1	14.5	28.4	30.
30.6	81.8	8982.7	325.0	-33.6	-50.4	233.8	30.9	25.0	18.3	330.3	339.8	0.1	16.4	31.5	32.
32.8	86.0	9518.7	300.0	-37.9	-54.0	241.9	34.7	30.4	16.8	331.9	332.2	0.1	16.4	34.8	38.
34.6	90.6	10112.9	275.0	-42.2	-59.9	246.7	42.7	39.2	16.9	334.1	999.9	99.9	99.9	39.1	38.
36.8	95.8	10753.3	250.0	-45.6	-69.9	234.5	45.5	39.2	21.1	338.3	999.9	99.9	99.9	44.4	42.
39.1	100.5	11451.6	225.0	-47.8	-69.9	245.4	44.2	40.3	16.1	345.3	999.9	99.9	99.9	50.5	44.
41.7	106.0	12220.5	200.0	-52.1	-69.9	248.6	47.7	44.4	17.4	350.3	999.9	99.9	99.9	56.9	47.
44.8	112.0	13075.0	175.0	-56.8	-69.9	239.2	36.2	31.1	18.6	356.2	999.9	99.9	99.9	64.1	49.
48.0	118.5	14041.5	150.0	-60.7	-69.9	234.6	30.5	24.4	17.6	363.5	999.9	99.9	99.9	70.6	50.
52.0	126.0	15163.0	125.0	-64.0	-69.9	251.0	28.3	26.9	8.8	370.1	999.9	99.9	99.9	77.6	51.
56.4	134.3	16513.3	100.0	-66.1	-69.9	233.7	21.4	17.1	12.9	400.0	999.9	99.9	99.9	81.4	51.
62.4	142.7	18261.0	75.0	-62.7	-69.9	173.4	2.9	-0.3	2.9	441.5	999.9	99.9	99.9	84.7	51.
70.3	151.3	20784.5	50.0	-57.0	-69.9	139.4	4.9	-3.2	3.7	509.3	999.9	99.9	99.9	94.4	50.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469
DENVER, COLORADO

12 JUNE 1976
1100 GMT

TIME MIN	CHIL	HEIGHT CPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO GM/KG	PH PCT	RANGE KM	AZ DG
0.0	21.1	1611.0	831.3	13.6	-5.0	230.0	4.1	3.1	2.6	302.3	311.5	3.2	27.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	21.7	1675.3	825.0	14.7	-3.8	281.5	6.1	6.0	-1.2	304.1	314.3	3.5	27.7	0.2	40.
0.9	24.1	1934.9	800.0	13.3	-4.4	281.0	8.9	8.7	-1.7	305.4	315.5	3.5	28.4	0.5	78.
1.7	26.4	2201.1	775.0	11.5	-5.7	285.7	6.1	6.0	0.5	306.2	315.7	3.2	29.4	0.9	84.
2.4	28.9	2473.8	750.0	9.0	-7.1	259.3	6.5	6.4	1.2	306.4	314.3	3.0	31.3	1.1	83.
3.4	31.6	2753.3	725.0	6.4	-8.8	199.8	4.8	1.6	4.5	307.5	314.6	2.7	32.8	1.4	78.
4.3	34.2	3039.9	700.0	4.4	-10.9	199.8	3.8	1.3	3.5	307.3	314.5	2.4	31.8	1.5	69.
5.1	36.7	3335.0	675.0	2.3	-12.0	238.1	5.4	4.8	3.0	308.3	315.1	2.3	33.6	1.7	66.
6.0	39.4	3638.5	650.0	-0.2	-12.4	256.7	9.5	8.3	1.7	306.7	315.6	2.3	35.4	2.0	66.
6.9	42.1	3950.9	625.0	-2.9	-13.6	274.3	12.6	12.6	-0.9	309.1	315.7	2.1	47.5	2.6	70.
7.9	45.0	4272.7	600.0	-5.7	-14.6	284.2	15.4	15.0	-3.8	309.5	315.8	2.1	49.4	3.4	78.
9.0	48.0	4604.8	575.0	-8.5	-16.1	290.3	16.8	15.7	-5.8	310.0	315.8	1.9	54.1	4.3	85.
9.9	50.8	4948.2	550.0	-10.9	-17.5	293.4	16.4	15.0	-6.5	311.2	316.7	1.8	57.9	5.2	90.
11.1	53.9	5303.9	525.0	-14.1	-19.9	285.9	16.4	15.5	-5.6	311.5	316.2	1.5	51.2	6.3	94.
12.5	56.9	5672.0	500.0	-17.0	-22.8	274.0	18.3	18.3	-1.3	312.3	316.2	1.2	60.9	7.7	96.
13.8	60.3	6055.7	475.0	-19.1	-28.0	259.5	18.7	18.4	3.4	314.3	316.9	0.8	45.2	9.2	94.
15.4	63.6	6455.6	450.0	-22.3	-31.6	249.6	18.5	17.3	6.5	315.2	317.2	0.6	42.3	10.8	91.
16.9	67.0	6872.3	425.0	-26.1	-34.0	250.5	19.7	18.6	6.4	315.6	317.3	0.5	47.1	12.4	88.
18.4	70.5	7308.1	400.0	-29.8	-37.0	249.1	18.5	16.9	7.5	316.3	317.6	0.4	49.0	14.1	86.
20.1	74.2	7763.7	375.0	-34.3	-39.0	248.9	19.0	17.7	6.8	316.2	317.4	0.3	52.0	15.8	84.
21.8	78.2	8242.0	350.0	-38.9	99.9	245.2	19.0	17.3	8.0	316.3	999.9	99.9	99.9	17.7	82.
23.4	82.0	8746.1	325.0	-43.0	99.9	241.6	18.2	16.0	8.7	317.5	999.9	99.9	99.9	19.4	80.
25.4	86.2	9280.1	300.0	-47.5	99.9	238.4	24.3	20.7	12.7	318.4	999.9	99.9	99.9	21.8	78.
27.9	90.8	9850.7	275.0	-48.4	99.9	246.3	30.1	27.7	11.8	325.2	999.9	99.9	99.9	25.6	75.
30.4	95.5	10490.1	250.0	-42.8	99.9	245.1	26.9	24.4	11.3	347.4	999.9	99.9	99.9	28.9	75.
33.6	100.5	11200.0	225.0	-42.4	99.9	241.5	25.6	22.5	12.2	353.5	999.9	99.9	99.9	35.6	73.
36.4	105.8	11991.2	200.0	-45.4	99.9	240.3	23.8	20.7	11.8	361.0	999.9	99.9	99.9	38.6	72.
39.8	111.8	12873.8	175.0	-50.0	99.9	234.5	20.4	24.7	17.6	367.4	999.9	99.9	99.9	44.3	70.
43.6	118.0	13880.8	150.0	-48.5	99.9	233.7	28.6	23.0	14.9	386.4	999.9	99.9	99.9	51.4	68.
48.2	125.5	15067.6	125.0	-53.0	99.9	215.6	13.3	7.2	10.0	399.1	999.9	99.9	99.9	58.9	66.
52.8	133.5	16484.9	100.0	-59.7	99.9	214.4	14.4	7.7	12.2	412.4	999.9	99.9	99.9	58.3	63.
59.4	141.7	18261.5	75.0	-59.7	99.9	142.7	1.3	-C-8	1.0	447.7	999.9	99.9	99.9	62.8	64.
66.8	150.7	20814.6	50.0	-55.4	99.9	137.5	3.8	-2.5	2.8	513.0	999.9	99.9	99.9	62.7	61.
84.2	180.3	23325.2	25.0	-49.4	99.9	99.9	99.9	99.9	99.9	642.0	999.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 476
GRAND JUNCTION, COLORADO12 JUNE 1976
1105 GMT

TIME MIN	CHTCY	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PC+	RANGE KM	AZ DG
0.0	16.9	1472.0	850.0	8.9	2.7	110.0	2.6	-2.4	0.9	295.5	310.4	5.5	55.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	20.8	1722.1	825.0	11.3	1.3	151.4	2.8	-1.3	2.5	300.5	314.9	5.1	50.3	0.2	30.3
1.8	23.2	1978.5	800.0	9.5	-0.3	247.0	4.6	4.2	1.8	301.3	314.5	4.7	50.5	0.3	36.1
2.4	25.5	2241.1	775.0	7.1	-1.2	263.3	6.3	6.2	0.7	301.4	314.2	4.5	55.4	0.4	33.1
3.6	27.9	2509.8	750.0	4.8	-1.9	271.0	9.1	9.1	-0.2	301.9	314.5	4.5	61.7	0.7	63.1
4.3	30.4	2785.4	725.0	2.5	-3.0	275.0	11.5	11.4	-1.0	302.2	314.4	4.2	67.0	1.1	74.1
5.3	33.0	3068.2	700.0	0.2	-4.1	280.1	11.6	11.4	-2.0	302.7	314.2	4.0	72.8	1.8	84.1
6.4	35.5	3358.7	675.0	-2.8	-5.2	279.4	10.8	10.4	-1.7	302.5	313.6	3.9	83.9	2.5	88.1
7.3	38.1	3656.7	650.0	-5.3	-6.8	286.9	10.5	10.0	-3.0	303.0	313.2	3.5	89.1	3.1	92.1
8.6	40.7	3964.4	625.0	-6.7	-8.4	278.8	10.9	10.8	-1.7	304.8	313.7	3.0	81.2	3.8	94.1
9.8	43.4	4282.2	600.0	-8.9	-11.9	277.3	12.1	12.0	-1.5	303.8	313.5	2.6	78.9	4.7	95.1
10.8	46.4	4610.6	575.0	-11.2	-13.3	278.4	13.6	13.5	-2.0	303.9	314.0	2.4	84.5	5.5	95.1
11.9	49.4	4951.0	550.0	-12.7	-15.3	279.2	17.8	17.6	-2.9	309.1	315.6	2.1	80.7	6.5	96.1
13.1	52.3	5305.4	525.0	-14.5	-19.2	280.2	19.2	18.9	-3.4	311.0	316.0	1.6	67.1	7.8	97.1
14.3	55.3	5673.4	500.0	-17.2	-23.8	282.2	19.1	18.9	-3.1	312.0	315.1	0.9	47.9	9.2	97.1
15.5	58.5	6056.6	475.0	-19.3	-26.4	283.0	20.6	20.0	-4.6	314.0	317.1	0.9	53.4	10.6	97.1
17.1	61.8	6456.6	450.0	-21.7	-29.2	281.9	22.7	22.2	-4.7	315.9	318.4	0.8	50.5	12.7	98.1
18.6	65.2	6875.9	425.0	-23.8	-34.0	278.4	26.2	26.0	-3.8	318.5	320.2	0.5	38.5	14.9	99.1
20.2	68.7	7316.2	400.0	-27.2	-39.1	282.0	27.6	27.0	-5.7	319.6	320.8	0.3	31.1	17.4	99.1
21.7	72.2	7777.2	375.0	-31.0	-42.0	286.0	28.0	28.0	-7.7	320.5	321.4	0.2	32.8	19.6	99.1
23.3	76.1	8262.1	350.0	-35.6	-45.5	999.9	99.9	99.9	99.9	321.8	321.5	0.2	35.0	99.9	99.9
25.0	80.1	8773.4	325.0	-40.0	-49.9	999.9	99.9	99.9	99.9	321.5	99.9	99.9	99.9	99.9	99.9
26.8	84.3	9313.8	300.0	-45.4	-54.9	999.9	99.9	99.9	99.9	321.4	99.9	99.9	99.9	99.9	99.9
28.8	88.6	9887.4	275.0	-50.9	-59.9	999.9	99.9	99.9	99.9	321.6	99.9	99.9	99.9	99.9	99.9
30.8	93.2	10501.8	250.0	-53.7	-64.9	999.9	99.9	99.9	99.9	326.2	99.9	99.9	99.9	99.9	99.9
33.5	98.0	11181.2	225.0	-49.7	-69.9	999.9	99.9	99.9	99.9	342.4	99.9	99.9	99.9	99.9	99.9
36.0	103.4	11955.1	200.0	-50.0	-74.9	999.9	99.9	99.9	99.9	353.6	99.9	99.9	99.9	99.9	99.9
39.4	109.3	12832.8	175.0	-48.4	-79.9	999.9	99.9	99.9	99.9	370.0	99.9	99.9	99.9	99.9	99.9
43.0	115.8	13842.5	150.0	-51.1	-84.9	999.9	99.9	99.9	99.9	382.1	99.9	99.9	99.9	99.9	99.9
46.8	123.0	15314.6	125.0	-55.6	-89.9	999.9	99.9	99.9	99.9	394.4	99.9	99.9	99.9	99.9	99.9
51.7	131.0	16434.2	100.0	-58.6	-94.9	999.9	99.9	99.9	99.9	418.4	99.9	99.9	99.9	99.9	99.9
57.6	139.7	18226.9	75.0	-59.8	-99.9	999.9	99.9	99.9	99.9	447.5	99.9	99.9	99.9	99.9	99.9
65.5	148.7	20777.2	50.0	-54.8	-99.9	999.9	99.9	99.9	99.9	514.4	99.9	99.9	99.9	99.9	99.9
77.6	158.3	23273.6	25.0	-48.5	-99.9	999.9	99.9	99.9	99.9	645.7	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
 PEORIA, ILLINOIS

 12 JUNE 1976
 1100 GMT

TIME MIN	ONTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.0	202.0	587.3	20.0	17.2	150.0	1.6	-0.5	1.5	294.2	327.1	12.6	84.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.3	8.1	311.0	975.0	22.5	16.2	220.9	12.9	8.5	9.8	291.8	333.8	13.7	76.8	0.2	336.
1.2	10.2	538.6	950.0	23.7	17.0	243.8	10.8	9.7	4.8	301.2	335.9	13.0	66.3	0.6	33.
2.0	12.3	771.6	925.0	22.2	15.9	235.8	9.0	7.5	4.9	302.0	335.4	12.4	67.6	1.0	50.
2.9	14.5	1009.7	900.0	20.4	15.6	211.5	8.7	4.5	7.4	302.6	336.4	12.6	74.0	1.4	49.
3.7	16.5	1253.0	875.0	19.0	13.2	194.2	10.5	2.6	10.2	303.5	333.5	11.0	69.1	1.9	42.
4.7	18.9	1501.9	850.0	16.3	8.1	184.2	10.0	0.7	10.0	304.1	327.6	8.0	51.5	2.4	34.
5.6	21.0	1759.0	825.0	18.5	2.6	177.3	9.5	-0.4	9.5	304.3	324.3	5.6	34.6	2.9	28.
6.6	23.4	2020.9	800.0	16.4	3.0	179.2	8.3	-0.1	8.3	304.7	324.8	5.0	40.5	3.3	23.
7.5	25.7	2290.5	775.0	14.6	2.4	184.5	8.3	0.7	8.3	304.5	324.5	5.9	43.9	3.8	21.
8.5	28.1	2560.5	750.0	12.1	2.0	184.3	7.6	0.7	7.5	304.8	326.9	5.9	49.9	4.3	19.
9.5	30.7	2849.6	725.0	9.7	2.2	190.5	6.6	1.2	6.5	310.1	325.1	6.2	59.6	4.7	18.
10.6	33.3	3140.3	700.0	7.4	2.2	210.0	5.5	2.6	4.8	310.7	329.3	6.4	69.7	5.0	18.
11.7	35.6	3439.1	675.0	5.4	-2.4	226.1	4.4	3.2	3.1	311.7	325.9	4.8	57.3	5.4	19.
12.8	38.4	3746.9	650.0	3.5	-9.4	192.1	2.2	0.5	2.2	312.9	322.5	3.2	41.9	5.6	20.
13.9	41.0	4063.7	625.0	1.1	-20.4	121.5	1.2	-2.7	1.7	313.8	317.6	1.2	16.2	5.6	19.
15.2	43.8	4390.5	600.0	-0.8	-37.7	145.9	3.3	-1.8	2.7	315.2	316.1	0.3	4.2	5.7	14.
16.3	46.8	4720.1	575.0	-2.6	-38.5	206.3	1.0	0.5	0.9	317.0	317.8	0.2	4.3	5.9	15.
17.6	49.8	5090.0	550.0	-5.0	-56.4	266.9	1.3	1.3	0.1	318.2	319.2	0.3	6.4	5.9	16.
18.9	52.5	5443.5	525.0	-7.7	-20.5	327.7	0.8	0.4	-0.6	317.2	324.1	1.5	37.3	5.9	17.
20.4	55.6	5822.5	500.0	-8.9	-19.6	141.4	0.4	-0.3	0.4	322.2	327.5	1.6	41.3	5.9	17.
21.7	58.7	6217.4	475.0	-11.9	-27.3	183.4	2.9	0.2	2.9	323.2	326.1	0.9	24.5	6.0	16.
23.0	62.1	6628.6	450.0	-15.5	-30.1	202.3	3.9	1.5	3.6	323.9	326.2	0.7	27.1	6.3	16.
24.5	65.4	7058.7	425.0	-17.2	-43.2	230.1	7.0	5.3	4.5	327.0	327.9	0.2	10.0	6.7	17.
26.0	68.9	7511.0	400.0	-20.0	-62.7	264.9	6.7	6.7	0.6	329.0	329.1	0.0	1.0	7.2	21.
27.7	72.4	7986.2	375.0	-23.6	-65.0	276.4	11.8	11.7	-1.3	330.4	333.5	0.0	1.0	7.4	28.
29.5	76.3	8486.8	350.0	-27.1	-67.2	263.1	14.3	14.3	0.2	332.3	332.3	0.0	1.0	8.3	38.
31.3	80.3	9016.4	325.0	-31.1	-66.1	272.3	16.5	16.5	-0.6	333.9	333.9	0.0	1.4	9.3	45.
33.3	84.5	9577.5	300.0	-36.6	-60.2	278.3	17.6	17.6	-2.4	334.9	334.0	0.0	6.6	10.8	54.
35.5	88.8	10174.2	275.0	-41.5	99.9	281.0	20.1	19.7	-3.9	335.1	999.9	99.9	99.9	12.5	62.
37.9	93.5	10814.2	250.0	-46.4	99.9	280.4	22.4	22.4	-4.1	337.1	999.9	99.9	99.9	13.2	69.
40.5	98.4	11508.1	225.0	-49.5	99.9	278.7	30.9	30.6	-4.7	342.6	999.9	99.9	99.9	13.9	76.
43.7	103.8	12274.6	200.0	-53.2	99.9	282.5	28.6	28.0	-6.2	345.6	999.9	99.9	99.9	23.9	81.
47.4	109.5	13127.3	175.0	-57.1	99.9	282.1	30.1	29.4	-6.3	355.6	999.9	99.9	99.9	30.5	86.
51.4	115.8	14091.1	150.0	-62.0	99.9	275.5	22.6	22.5	-2.2	343.2	999.9	99.9	99.9	36.0	88.
55.9	123.0	15210.3	125.0	-66.7	99.9	279.4	16.0	15.8	-2.6	374.1	999.9	99.9	99.9	41.0	91.
61.3	130.7	16560.5	100.0	-64.9	99.9	273.8	9.1	9.1	-0.6	402.3	999.9	99.9	99.9	48.9	92.
68.6	139.0	18321.7	75.0	-62.9	99.9	175.4	0.7	-0.7	0.2	441.1	999.9	99.9	99.9	48.1	93.
77.9	147.0	20853.0	50.0	-56.6	99.9	82.9	8.5	-6.5	-0.8	510.2	999.9	99.9	99.9	45.6	93.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA12 JUNE 1976
1100 GMT

ANGLES ON THE P-1P MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

153 11. 1

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX T ² GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.9	400.0	954.6	22.3	18.5	170.2	8.2	11.4	8.1	299.4	337.0	14.2	79.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	10.3	442.3	950.0	22.2	18.5	279.5	3.2	3.1	-0.5	299.7	337.6	14.3	80.0	0.9	356.
1.0	12.4	674.9	925.0	22.2	16.8	207.2	10.9	5.0	9.7	302.0	337.3	13.2	71.6	0.9	3.
1.9	14.6	913.5	900.0	21.6	15.6	207.0	26.4	12.0	23.6	303.8	337.7	12.5	68.4	2.1	13.
2.7	16.6	1156.7	875.0	21.7	14.4	223.1	22.4	15.3	16.4	306.4	340.0	12.2	64.8	3.2	21.
3.5	19.0	1410.6	850.0	21.9	12.2	231.4	26.8	21.0	16.7	309.1	339.8	10.6	54.1	4.2	28.
4.1	21.2	1670.0	825.0	21.0	10.9	235.4	22.7	18.6	12.9	310.8	339.0	10.0	52.5	5.2	37.
5.1	23.6	1938.0	800.0	19.2	9.7	234.9	22.5	18.4	13.0	311.6	338.7	9.5	54.2	6.3	38.
6.0	25.8	2208.3	775.0	17.1	7.5	234.1	19.5	15.8	11.4	312.2	338.3	8.4	43.2	7.3	40.
6.9	27.3	2487.3	750.0	14.9	4.1	225.8	21.1	15.2	14.7	312.8	332.7	6.9	48.2	8.5	42.
7.9	30.8	2773.3	725.0	12.1	4.6	218.0	21.4	12.9	16.5	313.8	334.2	7.4	60.1	9.7	42.
8.9	33.4	3067.0	700.0	10.1	3.4	210.8	19.5	9.5	15.9	313.7	334.2	7.0	63.1	10.8	41.
9.8	35.8	3366.9	675.0	7.7	2.5	200.7	18.6	6.6	17.4	314.3	334.3	6.8	69.7	11.8	39.
10.8	38.6	3678.9	650.0	4.8	-0.7	195.5	19.6	5.2	18.9	314.4	331.0	5.6	67.5	13.0	38.
11.9	41.1	3998.0	625.0	2.6	-2.3	193.8	20.4	4.8	19.8	315.4	330.8	5.2	70.0	14.1	36.
13.1	44.0	4328.6	600.0	-0.6	-5.2	189.1	19.0	3.0	18.7	315.4	328.4	4.3	71.1	15.4	33.
14.3	46.9	4668.2	575.0	-3.0	-8.4	184.5	20.5	1.6	20.4	316.5	330.9	4.8	89.6	16.7	31.
15.6	49.9	5016.9	550.0	-6.2	-8.7	180.8	23.4	0.3	23.4	317.9	327.8	3.6	82.0	18.2	28.
17.0	52.8	5379.9	525.0	-8.8	-13.3	183.7	24.5	1.6	24.4	318.4	324.7	2.6	70.4	20.0	26.
18.4	55.7	5755.8	500.0	-12.0	-17.2	187.9	24.2	3.3	24.0	318.4	324.7	2.0	65.3	22.0	24.
20.0	58.9	6147.0	475.0	-14.1	-17.2	190.7	24.6	4.6	24.3	320.6	327.2	2.1	77.0	24.3	23.
21.3	62.1	6555.9	450.0	-16.6	-18.7	194.9	22.9	5.9	22.1	322.4	328.7	1.9	83.2	26.1	22.
22.6	65.5	6983.3	425.0	-19.0	-22.4	197.7	22.3	6.8	21.2	323.4	328.3	1.5	80.5	27.8	22.
24.2	68.0	7430.0	400.0	-23.6	-24.2	199.4	23.4	7.8	22.1	324.4	328.1	1.1	78.7	29.9	21.
26.0	72.4	7900.8	375.0	-28.9	-26.8	204.9	26.9	11.3	24.4	328.7	328.8	0.0	1.0	32.8	21.
27.7	76.3	8398.5	350.0	-29.2	-28.6	213.7	25.2	14.0	21.0	329.4	331.0	0.0	1.0	35.4	22.
29.5	80.3	8924.4	325.0	-33.2	-71.3	212.7	27.1	12.0	18.6	331.0	331.0	0.0	1.0	37.9	23.
31.4	84.3	9480.7	300.0	-38.4	90.9	217.7	19.7	12.0	15.6	331.2	999.9	99.9	999.9	40.4	23.
33.3	88.5	10071.6	275.0	-44.1	99.9	228.0	18.2	13.5	12.2	331.3	999.9	99.9	999.9	42.1	24.
35.1	93.2	10703.2	250.0	-48.7	99.9	236.7	26.9	22.5	14.8	333.6	999.9	99.9	999.9	44.2	26.
37.4	98.0	11392.7	225.0	-51.1	99.9	243.1	34.1	27.3	20.5	340.3	999.9	99.9	999.9	46.4	29.
40.5	103.2	12154.9	200.0	-54.8	99.9	231.9	28.3	22.3	17.5	349.2	999.9	99.9	999.9	53.5	31.
43.9	109.0	13017.1	175.0	-59.0	99.9	232.3	31.3	24.7	19.1	360.1	999.9	99.9	999.9	58.9	33.
47.3	115.0	13995.2	150.0	-61.6	99.9	234.2	29.4	20.0	14.4	368.4	999.9	99.9	999.9	64.1	35.
51.4	122.0	15130.2	125.0	-61.2	99.9	218.2	29.4	18.2	23.1	383.5	999.9	99.9	999.9	68.5	36.
56.1	129.7	16490.9	100.0	-61.2	99.9	248.5	9.4	8.7	3.4	409.6	999.9	99.9	999.9	73.9	34.
62.5	136.0	18262.5	75.0	-61.2	99.9	138.2	4.9	-3.3	3.7	444.6	999.9	99.9	999.9	75.8	36.
71.1	146.5	20822.7	50.0	-59.6	99.9	50.4	5.8	-4.5	-3.7	510.2	999.9	99.9	999.9	76.1	35.
85.5	156.0	25299.2	25.0	-48.6	99.9	66.5	8.3	-8.3	-0.5	644.9	999.9	99.9	999.9	72.7	32.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA12 JUNE 1976
1115 GMT

150 8. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	13.8	847.0	906.9	10.6	5.6	330.0	2.6	1.3	-2.3	291.8	308.6	6.3	71.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.4	14.5	912.1	900.0	16.6	6.9	334.2	11.8	5.1	-10.6	298.6	320.4	8.0	60.5	0.2	137.
1.0	16.5	1153.3	875.0	18.2	7.0	332.2	11.4	5.3	-10.1	302.7	318.0	5.4	36.3	0.5	148.
1.9	18.7	1400.8	850.0	16.9	0.6	329.5	15.5	7.9	-13.4	303.8	317.3	4.7	33.3	1.2	149.
2.7	20.8	1558.3	825.0	15.1	-1.3	327.0	16.3	8.8	-13.6	304.6	316.8	4.2	32.3	2.0	149.
3.6	23.1	1913.9	800.0	13.3	-2.9	324.2	14.5	8.5	-13.7	305.4	316.6	3.9	32.4	2.8	149.
4.5	25.5	2100.3	775.0	11.5	-4.5	323.4	16.3	9.7	-13.1	304.2	316.6	3.5	32.2	3.7	147.
5.6	27.8	2453.2	750.0	9.6	-6.1	308.3	17.0	13.3	-10.5	307.0	316.6	3.2	32.3	4.7	145.
6.5	30.3	2733.9	725.0	8.1	-7.1	293.2	17.1	15.6	-6.9	308.3	317.3	3.1	33.4	5.6	141.
7.6	32.9	3022.2	700.0	5.6	-8.5	291.0	15.4	14.4	-5.5	308.7	317.3	2.9	35.3	6.5	136.
8.4	35.4	3318.9	675.0	3.6	-10.2	284.5	11.6	11.1	-3.3	309.7	317.6	2.6	35.5	7.2	134.
9.3	38.0	3623.9	650.0	1.5	-11.2	280.1	7.3	7.3	0.1	310.6	318.2	2.5	38.2	7.6	132.
10.4	40.5	3933.4	625.0	-1.3	-10.9	248.5	4.8	4.4	1.9	310.9	319.0	2.7	48.1	7.8	130.
11.3	43.3	4262.3	600.0	-3.9	-10.7	215.6	6.8	3.9	5.6	311.6	320.2	2.8	59.0	7.9	128.
12.4	46.3	4596.7	575.0	-6.6	-11.5	207.6	11.2	5.2	9.9	312.3	320.7	2.8	68.1	7.8	123.
13.6	49.2	4942.1	550.0	-10.0	-12.0	202.7	13.0	5.0	12.0	312.2	320.7	2.4	87.1	7.7	117.
	52.0	5298.4	525.0	-12.6	-14.3	197.6	15.9	4.8	15.1	313.3	320.7	2.0	96.6	7.7	99.
	55.1	5670.3	500.0	-15.3	-17.0	193.2	22.5	5.1	22.0	314.4	320.7	1.7	106.4	8.1	84.
1.1	58.3	6056.0	475.0	-18.0	-19.4	192.9	30.0	6.7	29.3	315.7	321.2	1.4	116.4	9.1	70.
18.5	61.6	6457.8	450.0	-21.4	-22.8	190.1	32.5	5.7	32.0	316.4	320.8	0.8	126.4	10.6	56.
20.0	65.1	6876.6	425.0	-24.6	-28.9	188.1	30.4	4.3	30.1	317.5	320.3	0.3	136.4	12.3	49.
21.2	68.5	7315.4	400.0	-27.5	-40.3	191.5	32.0	6.5	31.3	319.2	320.2	0.2	146.4	15.5	41.
23.0	72.0	7777.0	375.0	-30.0	-43.8	194.5	37.2	9.3	36.0	321.9	322.7	0.2	156.4	19.0	36.
24.0	76.0	8268.8	350.0	-34.0	-46.1	193.8	38.8	9.3	37.7	322.8	323.5	0.2	166.4	22.7	32.
26.4	80.1	8778.2	325.0	-38.4	-49.5	198.3	39.3	12.3	37.3	323.7	324.2	0.1	176.4	26.7	31.
28.0	84.2	9325.5	300.0	-41.7	99.9	206.6	40.4	18.1	36.1	326.6	999.9	99.9	999.9	31.5	30.
30.0	88.4	9911.1	275.0	-44.9	99.9	209.6	41.4	20.5	36.0	330.3	999.9	99.9	999.9	40.7	31.
32.1	92.2	10545.8	250.0	-48.1	99.9	215.4	36.2	20.9	28.5	337.4	999.9	99.9	999.9	45.7	31.
34.4	96.2	11246.4	225.0	-46.4	99.9	212.5	29.5	15.8	26.2	358.3	999.9	99.9	999.9	51.2	31.
37.3	103.5	12027.1	200.0	-47.1	99.9	213.9	31.5	17.6	23.3	368.7	999.9	99.9	999.9	57.2	32.
40.1	109.3	12909.3	175.0	-49.2	99.9	215.2	28.6	16.5	19.0	381.9	999.9	99.9	999.9	61.0	33.
43.5	115.4	13917.0	150.0	-51.2	99.9	224.2	27.5	19.8	15.7	390.3	999.9	99.9	999.9	64.4	33.
46.7	122.3	15082.4	125.0	-57.9	99.9	218.5	20.1	12.5	7.0	404.5	999.9	99.9	999.9	67.0	33.
51.2	130.0	16472.7	100.0	-63.8	99.9	210.1	5.1	4.0	-1.8	412.9	999.9	99.9	999.9	67.1	32.
57.2	138.0	18257.2	75.0	-59.1	99.9	32.6	2.1	-1.1	1.4	512.9	999.9	99.9	999.9	65.4	28.
65.3	146.5	20809.6	50.0	-55.4	99.9	112.2	4.3	-4.0	5.1	643.8	999.9	99.9	999.9		
78.2	155.7	25306.9	25.0	-49.1	99.9	126.1	8.3	-6.5							

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 576
LANDER, WYOMING

12 JUNE 1976
1115 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

142 12. 1

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	21.7	1695.0	821.9	5.0	-2.1	0.0	0.0	0.0	0.0	294.2	305.3	4.0	60.0	0.0	0.0
0.5	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.5	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.5	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.0	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.5	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.0	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.5	23.8	1919.4	800.0	10.6	-3.8	306.5	1.9	1.6	-1.1	302.5	312.9	3.6	36.1	0.2	80.0
5.0	24.0	2192.9	775.0	8.7	-4.7	304.9	5.7	4.7	-3.3	303.1	313.2	3.5	38.5	0.4	102.0
5.5	26.4	2453.2	750.0	6.1	-5.9	307.4	6.4	5.0	-3.9	303.3	312.8	3.3	41.8	0.7	112.0
6.0	30.9	2730.0	725.0	4.0	-5.7	304.6	7.6	6.2	-4.3	303.8	313.9	3.4	49.1	1.1	117.0
6.5	35.3	3014.2	700.0	1.4	-6.8	297.3	9.0	7.9	-4.4	304.0	313.6	3.3	54.3	1.6	118.0
7.0	38.5	3305.9	675.0	-1.3	-7.8	297.5	10.4	9.2	-4.8	304.2	313.5	3.1	60.9	2.1	118.0
7.5	41.1	3606.2	650.0	-3.1	-8.1	297.5	9.0	8.0	-4.1	305.5	313.8	3.2	68.0	2.6	118.0
8.0	43.8	3913.4	625.0	-5.5	-9.4	295.5	9.1	8.2	-3.9	306.1	313.1	3.0	74.4	3.4	118.0
8.5	46.7	4234.2	600.0	-8.5	-10.8	300.1	9.9	8.6	-5.0	306.3	313.6	2.8	82.9	4.0	118.0
9.0	49.6	4563.9	575.0	-9.7	-13.1	305.5	11.0	8.9	-6.4	308.6	316.0	2.4	76.2	4.8	119.0
9.5	52.4	4906.2	550.0	-11.9	-17.6	306.5	8.3	6.4	-5.3	312.0	315.4	1.7	62.2	5.6	120.0
10.0	55.4	5250.6	525.0	-14.7	-19.5	300.4	9.8	7.6	-4.5	310.8	315.7	1.6	66.5	6.2	121.0
10.5	58.4	5626.6	500.0	-17.6	-25.3	287.6	12.2	11.6	-3.7	311.9	314.7	1.0	50.6	7.1	120.0
11.0	61.8	6010.2	475.0	-21.1	-27.6	276.9	13.5	13.4	-1.6	311.9	314.6	0.8	55.5	8.0	118.0
11.5	64.8	6407.3	450.0	-23.3	-35.9	267.9	13.1	13.1	0.3	314.0	315.3	0.4	30.9	9.3	114.0
12.0	68.5	6826.4	425.0	-25.6	-45.1	271.2	10.2	10.2	-0.2	316.2	316.8	0.2	13.9	10.2	111.0
12.5	72.0	7261.0	400.0	-29.2	-46.2	280.7	10.3	10.1	-1.9	317.0	317.6	0.2	17.3	11.0	110.0
13.0	75.8	7718.0	375.0	-33.7	-46.1	279.5	9.3	9.2	-1.5	317.0	317.7	0.2	18.4	13.0	109.0
13.5	79.4	8107.4	350.0	-38.3	-47.1	286.5	9.5	9.1	-2.7	317.6	317.9	0.9	99.9	13.9	109.0
14.0	83.7	8502.5	325.0	-42.9	-49.9	284.9	8.8	8.3	-3.0	317.6	317.9	0.9	99.9	15.1	109.0
14.5	88.0	8906.1	300.0	-47.5	-49.9	289.1	10.5	9.9	-2.4	318.4	318.9	0.9	99.9	16.6	109.0
15.0	92.6	9317.2	275.0	-52.0	-49.9	305.3	16.1	13.2	-9.3	319.9	319.9	0.9	99.9	18.8	112.0
15.5	97.4	9744.3	250.0	-52.5	-49.9	308.8	16.6	13.0	-10.4	328.0	328.0	0.9	99.9	21.2	112.0
16.0	102.5	10211.3	225.0	-47.5	-49.9	272.5	14.5	14.5	-0.7	345.8	345.8	0.9	99.9	23.0	109.0
16.5	108.5	11099.1	200.0	-46.2	-49.9	255.6	11.3	11.0	-0.7	359.7	359.7	0.9	99.9	24.8	106.0
17.0	114.6	11800.2	175.0	-45.5	-49.9	244.5	8.9	8.1	3.9	374.7	374.7	0.9	99.9	26.0	103.0
17.5	121.7	12782.4	150.0	-49.3	-49.9	226.2	6.9	6.4	6.2	385.1	385.1	0.9	99.9	27.0	97.0
18.0	128.5	13805.2	125.0	-53.0	-49.9	209.1	11.9	5.8	10.4	399.0	399.0	0.9	99.9	27.7	92.0
18.5	136.3	14985.3	100.0	-56.2	-49.9	163.9	9.3	0.6	6.3	421.1	421.1	0.9	99.9	27.6	88.0
19.0	147.3	16416.6	75.0	-59.1	-49.9	174.1	3.5	-0.4	3.5	449.0	449.0	0.9	99.9	26.7	85.0
19.5	157.0	18216.6	50.0	-55.4	-49.9	139.2	2.4	-1.5	1.8	512.2	512.2	0.9	99.9	22.7	82.0
20.0	167.3	20779.4	25.0	-50.2	-49.9	86.9	9.1	-9.1	-0.5	640.3	640.3	0.9	99.9	22.7	82.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637
FLINT, MICHIGAN12 JUNE 1976
1115 GMT

TIME M	QNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE A2 KM	DG
0.0	7.2	236.0	986.8	14.4	11.0	70.0	5.2	-4.9	-1.8	288.7	313.4	8.4	80.0	0.0	0.0
99.9	99.9	1000.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.4	8.3	337.6	975.0	13.0	9.2	101.7	7.6	-7.5	1.5	248.2	307.8	7.5	78.0	0.2	256
1.2	10.4	557.1	950.8	15.4	9.6	108.4	6.6	-6.2	2.1	292.9	313.9	8.0	68.5	0.4	273
2.0	12.5	783.7	925.0	15.6	8.6	84.1	3.5	-3.5	-0.4	293.3	315.6	7.6	62.9	0.7	277
2.7	14.8	1016.4	900.0	16.7	2.2	340.3	2.1	0.7	-2.0	298.7	312.6	5.0	37.9	0.8	273
3.6	17.0	1257.6	875.0	16.6	1.9	318.2	5.4	3.6	-4.1	303.1	317.4	5.0	32.6	0.6	259
4.4	19.4	1505.4	850.0	16.1	7.6	327.7	6.1	3.3	-5.2	303.0	324.4	7.7	57.0	0.6	231
5.4	21.5	1758.7	825.0	13.9	11.3	322.6	4.5	5.1	-6.7	303.3	331.4	10.3	84.5	0.7	199
6.3	24.0	2018.0	800.0	12.2	9.4	318.0	8.7	5.8	-6.5	304.1	329.9	9.4	43.4	1.0	176
7.2	26.3	2298.4	775.0	11.4	2.3	311.6	10.9	4.2	-7.2	306.0	322.7	5.6	53.6	1.5	163
8.2	28.9	2558.1	750.0	10.2	-0.6	305.5	11.9	9.7	-6.9	307.7	321.8	4.9	46.9	2.1	151
9.1	31.6	2839.9	725.0	9.1	-3.0	311.5	11.8	8.8	-7.8	309.5	322.0	4.2	42.3	2.7	143
10.3	34.2	3129.5	700.0	6.7	-5.6	314.8	10.9	7.7	-7.7	309.9	320.6	3.6	41.2	3.5	133
11.2	36.8	3427.2	675.0	4.5	-5.3	316.8	11.2	7.7	-8.2	310.7	322.1	3.8	48.8	4.1	142
12.3	39.6	3733.3	650.0	1.7	-7.2	317.2	11.4	7.6	-8.4	310.9	321.2	3.4	51.5	4.8	141
13.3	42.1	4046.5	625.0	0.3	-23.5	322.2	10.5	6.4	-8.3	312.8	315.8	0.9	14.7	5.5	141
14.4	45.0	4374.3	600.0	-1.8	-27.9	321.8	9.9	6.1	-7.8	318.0	316.2	0.6	11.4	6.2	141
15.6	48.0	4711.3	575.0	-3.8	-29.8	327.6	8.3	4.7	-7.5	315.5	317.4	0.6	11.1	6.8	141
16.7	50.9	5060.6	550.0	-6.7	-31.8	330.9	10.0	4.8	-6.7	316.2	317.8	0.5	11.4	7.5	142
17.9	54.3	5422.5	525.0	-8.8	-15.5	324.7	9.4	5.5	-7.7	317.9	324.3	2.2	58.2	8.2	143
19.1	57.0	5799.2	500.0	-11.2	-20.9	321.8	9.4	5.2	-6.6	319.4	324.1	1.4	44.5	9.8	143
20.3	60.4	6191.1	475.0	-13.7	-22.3	311.5	7.3	5.5	-6.8	321.0	322.9	0.5	19.0	9.4	142
21.6	63.9	6599.5	450.0	-16.7	-36.7	291.1	8.2	7.6	-2.9	322.3	323.5	0.4	15.8	9.9	141
22.9	67.1	7026.7	425.0	-19.7	-36.5	267.3	8.9	8.8	0.4	323.8	325.2	0.4	20.7	10.4	139
24.4	70.7	7473.5	400.0	-23.5	-41.5	257.7	9.0	8.8	1.9	324.5	325.4	0.3	17.6	10.9	135
25.8	74.5	7942.7	375.0	-26.3	-50.4	265.3	9.7	9.7	0.8	326.8	327.2	0.1	8.2	11.3	132
27.4	78.5	8437.8	350.0	-30.2	-50.1	279.2	9.3	9.2	-1.5	328.1	328.5	0.1	12.5	12.0	129
29.0	82.5	8961.0	325.0	-34.0	-43.0	274.5	7.9	7.9	-0.6	329.9	332.9	0.3	40.5	12.8	127
30.8	86.6	9517.7	300.0	-37.9	-44.5	261.9	9.3	9.2	1.3	332.0	332.9	0.2	48.7	13.4	125
32.7	91.2	10110.5	275.0	-43.3	99.9	268.3	10.2	10.2	0.3	332.5	999.9	99.9	999.9	14.2	122
34.6	96.0	10748.5	250.0	-48.1	99.9	246.7	12.6	12.6	-3.6	338.3	999.9	99.9	999.9	15.3	120
36.6	101.0	11438.6	225.0	-51.9	99.9	300.7	21.6	18.7	-11.1	339.0	999.9	99.9	999.9	17.4	119
38.9	106.5	12192.5	200.0	-54.6	99.9	308.4	19.7	15.5	-12.3	346.3	999.9	99.9	999.9	20.8	120
41.5	112.3	13045.8	175.0	-57.0	99.9	314.5	19.1	13.6	-13.4	355.9	999.9	99.9	999.9	23.6	122
44.8	119.0	14010.0	150.0	-60.9	99.9	305.1	25.5	20.9	-14.6	363.1	999.9	99.9	999.9	28.0	122
48.2	126.0	15135.6	125.0	-63.3	99.9	308.7	18.9	14.8	-11.8	380.3	999.9	99.9	999.9	32.0	123
52.6	134.3	16513.7	100.0	-62.5	99.9	317.8	12.4	8.3	-9.2	406.9	999.9	99.9	999.9	35.4	124
57.9	142.3	18293.1	75.0	-60.8	99.9	312.9	2.3	1.7	-1.6	445.5	999.9	99.9	999.9	37.7	125
64.8	151.0	20833.9	50.0	-55.8	99.9	50.7	3.8	-2.9	-2.4	511.9	999.9	99.9	999.9	38.7	127
75.4	160.3	25336.9	25.0	-47.5	99.9	87.9	9.2	-9.2	-0.3	648.5	999.9	99.9	999.9	36.4	132

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645
GREEN BAY, WISCONSIN
12 JUNE 1976
1115 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.3	210.0	986.5	15.0	11.8	140.0	3.1	-2.0	2.4	289.3	312.2	8.8	81.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	8.3	309.7	975.0	15.5	12.3	99.9	99.9	99.9	99.9	290.7	314.8	9.3	81.2	99.9	99.9
1.3	10.4	531.0	950.0	16.2	12.0	99.9	99.9	99.9	99.9	293.5	318.2	9.4	76.4	99.9	99.9
1.7	12.5	759.8	925.0	20.4	10.6	99.9	99.9	99.9	99.9	300.2	334.8	13.0	78.9	99.9	99.9
2.4	14.7	967.4	900.0	20.7	14.7	198.3	8.4	2.6	7.9	302.8	338.9	11.8	68.7	1.5	34.7
3.1	16.7	1241.3	875.0	19.9	13.7	204.5	7.9	3.5	7.0	304.4	335.4	11.3	67.4	1.7	35.4
3.9	19.1	1491.0	850.0	17.9	12.5	211.3	8.1	4.2	7.0	304.9	335.6	10.8	70.8	2.1	36.0
4.8	21.2	1746.2	825.0	15.8	12.1	207.0	8.8	4.0	7.8	305.3	335.0	10.8	78.4	2.4	3.
5.5	23.6	2007.5	800.0	14.0	10.0	202.5	9.2	3.5	8.5	306.1	333.0	9.7	76.7	2.8	7.
6.3	25.8	2275.1	775.0	12.2	7.8	200.2	9.3	4.6	6.2	307.0	331.2	8.7	74.6	3.3	10.
7.2	28.4	2550.3	750.0	11.5	6.1	222.9	9.1	6.2	6.6	309.0	331.5	7.9	69.5	3.7	13.
8.0	30.9	2833.0	725.0	9.4	3.3	231.0	8.2	6.4	5.2	309.7	323.0	6.7	65.7	4.1	17.
8.9	33.5	3123.0	700.0	7.0	-8.1	222.5	8.0	5.4	5.5	310.2	320.5	5.5	59.1	4.5	20.
9.9	35.9	3421.7	675.0	6.5	-14.8	207.3	7.4	3.4	6.6	313.0	318.6	4.8	53.3	4.9	21.
11.0	38.7	3729.5	650.0	3.2	-9.3	195.1	6.3	1.6	4.1	312.6	321.5	3.1	49.2	5.3	21.
12.9	44.1	4371.4	600.0	-2.7	-9.2	190.8	5.7	1.4	6.0	312.9	322.2	3.1	61.1	6.1	20.
14.0	47.0	4706.8	575.0	-6.2	-10.8	194.5	5.5	1.3	5.3	312.7	321.6	2.9	70.1	6.4	20.
15.0	50.0	5053.2	550.0	-9.0	-14.8	215.5	6.0	3.5	4.9	313.4	320.2	2.2	62.5	6.8	19.
16.1	52.9	5412.6	525.0	-10.5	-31.1	253.2	6.0	5.7	1.7	315.8	317.6	0.5	16.5	7.1	21.
17.3	55.9	5786.4	500.0	-13.3	-13.7	268.3	8.9	8.8	0.3	316.8	325.1	2.7	97.4	7.3	25.
18.3	59.1	6176.2	475.0	-14.4	-32.6	275.4	10.4	10.4	-1.0	320.2	322.0	0.5	19.6	7.6	30.
19.6	62.6	6585.0	450.0	-16.1	-31.4	280.3	11.7	11.6	-2.1	323.1	325.2	0.6	25.3	7.9	35.
20.9	65.9	7012.2	425.0	-19.7	-35.0	279.5	12.0	11.8	-2.0	323.8	325.4	0.3	17.1	8.9	47.
22.3	69.5	7459.3	400.0	-23.2	-41.2	286.7	12.0	11.5	-3.4	324.9	325.8	0.2	14.7	9.4	53.
23.8	73.0	7927.7	375.0	-27.2	-46.0	293.7	12.0	11.0	-4.8	325.6	325.2	0.2	14.7	9.4	53.
25.5	77.0	8421.3	350.0	-30.8	-48.5	287.1	11.9	11.4	-3.5	327.3	327.8	0.1	15.6	10.0	59.
27.3	80.9	8943.4	325.0	-34.1	-52.7	283.5	12.4	12.1	-2.9	329.7	330.0	0.1	13.1	11.1	63.
29.0	85.2	9499.0	300.0	-38.3	-55.1	278.5	13.1	12.9	-1.9	331.4	331.7	0.1	15.0	12.0	67.
31.0	89.6	10093.5	275.0	-41.9	-59.9	277.9	12.8	12.7	-1.9	334.5	334.5	0.9	99.9	13.5	71.
33.1	94.6	10731.3	250.0	-47.7	-59.9	277.6	12.7	12.6	-1.7	335.2	335.2	0.9	99.9	14.4	76.
35.2	99.5	11421.7	225.0	-51.4	-59.9	294.1	13.9	12.5	-6.2	339.7	339.7	0.9	99.9	17.9	81.
37.8	105.0	12181.2	200.0	-54.5	-59.9	296.0	12.6	11.3	-5.5	346.5	346.5	0.9	99.9	17.9	81.
40.5	110.8	13032.5	175.0	-56.7	-59.9	285.5	14.3	13.8	-3.8	356.4	356.4	0.9	99.9	19.7	84.
43.7	117.3	13999.4	150.0	-59.8	-59.9	279.4	14.7	14.5	-2.4	367.0	367.0	0.9	99.9	22.4	86.
47.5	125.0	15124.5	125.0	-63.0	-59.9	298.5	7.9	7.0	-3.8	379.4	379.4	0.9	99.9	24.8	89.
52.1	133.0	16506.7	100.0	-61.4	-59.9	286.7	7.7	7.4	-2.2	409.1	409.1	0.9	99.9	26.5	91.
56.3	141.7	18284.8	75.0	-61.5	-59.9	291.9	1.8	1.6	-0.6	444.0	444.0	0.9	99.9	27.2	92.
66.6	150.7	20834.2	50.0	-55.3	-59.9	45.0	4.0	-2.8	-2.8	513.3	513.3	0.9	99.9	28.6	95.
78.1	160.0	25349.8	25.0	-46.9	-59.9	82.3	7.3	-7.2	-1.0	649.7	649.7	0.9	99.9	24.1	97.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TIME MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 654
MURON, SOUTH DAKOTA

12 JUL 1976
1:00 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	PH PCT	RANGE AZ NM DG
0.0	10.0	392.0	950.9	16.7	12.7	240.0	1.6	1.4	0.8	294.1	319.7	9.7	77.0	0.0 0.
92.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
0.0	10.1	400.1	950.0	16.7	12.6	99.9	99.9	99.9	99.9	294.2	319.8	9.7	76.7	999.9 999.
0.5	12.1	628.1	925.0	16.6	11.5	99.9	99.9	99.9	99.9	296.3	320.9	9.3	71.7	999.9 999.
1.4	14.4	862.5	900.0	19.4	14.4	99.9	99.9	99.9	99.9	301.5	332.7	11.6	72.6	999.9 999.
2.2	16.5	1106.5	875.0	20.7	10.6	99.9	99.9	99.9	99.9	305.3	330.9	9.3	52.4	999.9 999.
3.0	18.9	1357.0	850.0	20.1	10.8	99.9	99.9	99.9	99.9	307.2	334.1	9.7	55.2	999.9 999.
3.9	21.1	1614.2	825.0	18.9	7.9	99.9	99.9	99.9	99.9	308.6	331.6	8.1	48.7	999.9 999.
4.7	23.6	1877.9	800.0	17.1	4.6	99.9	99.9	99.9	99.9	309.4	324.5	6.7	43.5	999.9 999.
5.6	25.9	2147.7	775.0	14.8	2.9	99.9	99.9	99.9	99.9	309.7	327.2	6.1	44.7	999.9 999.
6.4	28.4	2424.4	750.0	12.9	1.0	99.9	99.9	99.9	99.9	310.6	326.6	5.5	44.2	999.9 999.
7.3	31.1	2708.1	725.0	10.5	-2.8	99.9	99.9	99.9	99.9	311.0	323.7	4.3	39.1	999.9 999.
8.2	33.7	2999.1	700.0	8.2	-7.1	99.9	99.9	99.9	99.9	311.6	321.3	3.2	33.1	999.9 999.
9.1	36.2	3298.8	675.0	7.2	-9.6	99.9	99.9	99.9	99.9	313.7	322.1	2.7	29.0	999.9 999.
10.2	39.0	3608.2	650.0	5.7	-14.1	217.9	12.8	7.9	13.3	315.4	321.7	2.0	22.4	1.5 78.
11.0	41.6	3927.5	625.0	2.9	-15.8	212.1	15.7	8.4	13.3	315.8	321.5	1.8	23.7	2.2 62.
11.9	44.6	4256.4	600.0	-0.0	-16.3	211.2	18.2	9.4	15.6	315.1	321.8	1.8	28.2	3.0 53.
12.9	47.6	4595.2	575.0	-3.4	-17.7	210.8	20.0	10.3	17.2	316.1	321.3	1.6	31.8	4.1 47.
13.0	50.5	4944.8	550.0	-6.4	-18.7	212.7	21.7	11.5	18.4	316.5	321.6	1.6	37.0	5.5 43.
15.0	53.5	5306.2	525.0	-9.9	-19.6	211.8	21.8	11.5	18.5	316.5	321.4	1.5	44.8	6.8 41.
16.2	56.6	5680.1	500.0	-13.3	-22.9	204.9	23.5	10.6	20.9	316.8	320.7	1.2	44.4	8.3 39.
17.3	60.0	6067.9	475.0	-16.6	-29.8	201.1	25.4	9.1	23.7	317.4	319.7	0.7	30.6	10.0 36.
18.5	63.4	6472.4	450.0	-19.4	-35.6	200.3	26.0	9.0	24.4	318.9	320.3	0.4	22.1	11.7 34.
19.7	66.7	6894.3	425.0	-22.9	-37.8	201.3	24.1	8.8	22.8	319.6	320.8	0.3	24.0	13.5 32.
21.3	70.3	7336.7	400.0	-25.9	-42.6	194.1	25.4	8.3	24.0	321.4	322.2	0.2	19.0	15.8 30.
22.6	74.0	7801.1	375.0	-28.6	-47.9	203.7	24.7	9.9	22.6	323.7	324.2	0.1	13.6	18.1 29.
24.6	77.9	8291.7	350.0	-31.9	-50.1	200.1	22.5	7.8	21.2	325.8	326.2	0.1	14.4	20.7 28.
26.6	81.8	8813.5	325.0	-34.6	-53.4	190.5	22.1	4.0	21.7	329.0	329.3	0.1	12.6	23.2 27.
28.4	85.9	9307.3	300.0	-39.3	-56.7	181.7	21.7	0.7	23.7	330.0	330.2	0.1	13.7	25.7 25.
30.7	90.4	9936.8	275.0	-44.5	-59.9	174.3	20.4	-2.0	20.3	330.8	999.9	99.9	999.9	28.2 22.
32.9	95.2	10587.4	250.0	-50.0	-59.9	177.7	19.3	-0.8	19.3	331.7	999.9	99.9	999.9	30.5 20.
35.4	100.2	11272.2	225.0	-52.1	-59.9	176.2	19.7	-1.3	19.7	338.7	999.9	99.9	999.9	33.3 18.
38.2	105.3	12033.5	200.0	-52.7	-59.9	141.7	22.5	0.7	22.5	349.3	999.9	99.9	999.9	36.8 14.
41.5	111.0	12908.7	175.0	-49.3	-59.9	201.8	18.5	6.9	17.2	364.5	999.9	99.9	999.9	40.9 16.
43.2	117.0	13908.4	150.0	-54.7	-59.9	207.1	12.2	5.9	10.9	375.8	999.9	99.9	999.9	44.2 16.
45.8	123.8	15056.9	125.0	-57.6	-59.9	229.0	6.1	4.6	4.0	390.8	999.9	99.9	999.9	47.5 18.
54.9	131.3	16453.3	100.0	-60.9	-59.9	182.4	7.0	0.3	7.0	410.0	999.9	99.9	999.9	49.8 18.
61.0	139.3	18251.3	75.0	-59.4	-59.9	151.5	6.0	-2.9	5.3	448.4	999.9	99.9	999.9	51.7 16.
64.4	148.0	20814.3	50.0	-56.0	-59.9	80.7	3.0	-2.9	-2.9	511.5	999.9	99.9	999.9	53.4 15.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655
ST. CLOUD, MINNESOTA12 JUNE 1976
1110 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WIND CM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.3	315.0	954.8	19.3	18.1	120.0	1.6	-1.4	0.9	255.5	331.2	13.7	93.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
10.4	10.4	450.3	950.0	23.6	20.0	99.9	99.9	99.9	99.9	301.2	343.1	15.8	80.5	999.9	999.9
1.2	12.5	683.6	925.0	22.4	18.5	99.9	99.9	99.9	99.9	302.2	341.5	14.7	78.8	999.9	999.9
2.9	14.9	922.2	900.0	21.4	17.4	201.8	19.3	7.2	17.9	303.6	341.4	14.0	77.8	2.0	357.
3.1	16.9	1167.3	875.0	21.4	15.2	218.8	19.7	12.4	15.4	306.0	349.3	12.5	67.5	2.0	9.
4.0	19.3	1419.1	850.0	20.9	12.8	232.0	17.6	13.9	10.8	308.0	338.7	11.1	60.0	3.8	18.
4.9	21.5	1677.4	825.0	20.3	6.7	238.0	13.7	11.6	7.3	310.0	331.7	7.6	42.1	4.5	25.
5.8	23.9	1943.8	800.0	19.9	5.0	225.8	13.9	9.9	9.7	312.4	332.2	6.9	37.5	5.2	20.
6.8	26.2	2215.3	775.0	17.3	5.0	213.4	12.2	6.7	10.2	312.5	333.0	7.1	44.1	5.9	30.
7.7	28.7	2494.5	750.0	17.0	4.3	206.5	10.6	8.0	14.7	312.9	333.1	7.0	49.0	6.7	30.
8.7	31.2	2780.5	725.0	12.5	3.4	205.6	18.4	8.0	16.6	313.1	332.9	6.8	54.0	7.8	30.
9.6	34.0	3073.8	700.0	9.9	2.5	203.3	19.5	7.7	17.9	313.4	332.6	6.6	60.2	8.8	20.
10.5	36.3	3375.0	675.0	7.3	0.9	199.7	20.5	6.9	19.3	313.8	331.7	6.1	64.2	10.0	28.
11.6	38.1	3684.8	650.0	5.7	-12.9	194.3	20.5	5.1	19.8	315.4	322.2	2.2	24.9	11.3	27.
12.7	40.4	4004.4	625.0	3.2	-16.8	180.4	19.7	3.6	19.4	316.1	321.4	1.6	21.3	12.5	25.
13.7	42.6	4333.5	600.0	0.5	-17.1	168.8	18.7	2.2	18.5	316.7	322.0	1.7	25.2	13.7	24.
14.9	47.5	4672.8	575.0	-2.8	-17.4	165.1	18.0	1.9	17.9	316.7	322.0	1.7	30.9	15.0	22.
16.3	50.5	5023.2	550.0	-5.9	-15.4	192.7	18.6	4.1	18.4	317.1	323.7	2.1	46.8	14.4	21.
17.6	53.4	5389.9	525.0	-8.8	-17.6	199.3	19.7	6.5	18.4	317.9	323.7	1.8	48.4	17.9	21.
19.0	56.5	5761.7	500.0	-12.4	-17.9	203.4	18.9	7.5	17.4	319.0	323.9	1.9	63.3	19.5	21.
20.3	59.8	6151.3	475.0	-14.9	-21.2	203.2	23.6	9.3	21.7	319.6	324.4	1.5	58.5	21.1	21.
21.5	63.1	6550.3	450.0	-16.7	-24.9	202.2	23.8	9.0	22.0	322.2	326.0	1.1	48.9	22.9	21.
22.9	66.6	6985.2	425.0	-20.3	-35.7	200.0	21.5	7.4	20.2	322.9	326.7	0.5	27.9	24.7	21.
24.1	70.1	7432.3	400.0	-23.3	-33.0	192.8	20.6	4.6	20.1	324.7	325.5	0.2	15.3	26.3	21.
25.7	73.8	7901.6	375.0	-26.5	-37.3	186.3	16.6	2.4	16.4	326.5	325.7	0.0	3.6	28.0	20.
27.6	77.8	8390.3	350.0	-29.9	-40.8	201.5	16.8	6.1	15.6	328.5	329.6	0.3	33.4	29.7	20.
29.4	81.7	8921.0	325.0	-33.2	-52.5	210.9	16.8	6.6	14.4	330.9	331.3	0.1	13.0	31.8	20.
31.2	85.9	9479.6	300.0	-37.0	-50.3	214.3	11.9	6.7	9.8	333.2	333.7	0.1	23.4	33.2	21.
33.1	90.4	10075.0	275.0	-41.6	-59.9	238.6	6.5	5.5	3.4	334.9	339.0	99.9	99.9	34.2	21.
35.2	95.3	10714.9	250.0	-45.5	-69.9	248.2	8.3	7.6	3.2	336.9	339.9	99.9	99.9	34.8	22.
37.7	100.2	11406.4	225.0	-51.2	-79.9	237.1	4.9	4.1	2.7	340.1	339.9	99.9	99.9	35.7	24.
40.2	105.8	12165.4	200.0	-55.0	-89.9	92.8	6.0	-6.0	0.3	345.7	339.9	99.9	99.9	35.8	23.
42.8	111.5	13015.9	175.0	-57.2	-99.9	182.2	8.4	0.3	8.4	355.5	339.9	99.9	99.9	36.2	22.
45.9	116.0	13685.1	150.0	-58.2	-99.9	210.6	28.4	10.4	17.6	369.9	339.9	99.9	99.9	38.6	21.
49.2	125.5	15126.5	125.0	-59.9	-99.9	250.2	7.6	7.2	2.6	388.6	339.9	99.9	99.9	41.9	20.
54.0	134.0	16508.3	100.0	-62.0	-99.9	256.9	2.0	1.9	0.5	407.9	339.9	99.9	99.9	43.0	25.
59.6	142.5	18293.4	75.0	-58.9	-99.9	130.8	2.9	-1.9	2.2	449.4	339.9	99.9	99.9	43.6	23.
67.6	152.5	20866.4	50.0	-54.4	-99.9	71.7	4.3	-4.1	-1.3	515.4	339.9	99.9	99.9	42.7	22.
79.0	163.0	25355.7	25.0	-48.9	-99.9	99.9	11.7	-11.7	1.2	644.1	339.9	99.9	99.9	41.6	17.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662
RAPID CITY, SOUTH DAKOTA
12 JUNE 1976
1101 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WX QTD GM/KG	PM PCT	RANGE KM	AZ DG
0.0	15.5	966.0	892.7	10.6	8.4	320.0	4.1	2.5	-3.1	293.1	313.7	7.8	86.0	0.0	0.0
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
1.8	17.0	1134.0	875.0	12.9	8.9	322.3	5.3	2.4	-4.7	297.2	319.3	8.2	76.7	0.3	148.0
1.6	19.3	1377.3	859.0	11.0	7.6	321.5	2.6	1.6	-2.0	297.7	318.9	7.8	80.5	0.4	149.0
2.3	21.5	1624.8	825.0	10.5	5.2	226.8	2.1	1.5	1.4	299.8	318.4	6.8	69.9	0.5	144.0
3.3	23.9	1887.0	800.0	9.6	1.8	226.3	3.8	2.9	2.5	301.4	315.7	5.9	58.0	0.5	121.0
4.2	26.1	2146.1	775.0	7.6	1.1	225.0	4.0	3.9	1.0	302.0	317.2	5.4	63.4	0.6	103.0
5.5	28.5	2417.5	750.0	5.1	1.0	264.4	3.9	3.9	0.4	302.1	317.6	5.5	74.5	0.9	97.0
6.1	31.1	2691.8	725.0	4.3	-3.3	246.1	4.2	3.9	1.7	304.2	316.2	4.2	58.0	1.1	95.0
7.0	33.8	2977.2	700.0	2.6	-7.3	246.5	7.1	6.2	3.5	305.4	314.7	3.2	48.0	1.3	87.0
8.0	36.2	3270.4	675.0	0.5	-7.9	246.9	9.5	6.6	4.0	309.2	315.4	2.1	53.4	1.8	81.0
8.9	38.9	3572.3	650.0	-1.7	-8.8	238.3	11.0	9.4	5.8	307.1	316.1	3.0	52.0	2.3	77.0
10.7	41.4	3883.3	625.0	-3.5	-12.8	221.9	11.4	7.6	6.5	309.5	315.5	2.3	48.4	3.0	71.0
11.0	44.3	4204.6	600.0	-6.0	-15.6	210.3	13.2	6.6	11.5	309.1	314.9	1.9	46.4	3.6	64.0
12.1	47.3	4536.4	575.0	-8.0	-18.7	205.8	15.7	6.8	14.1	310.4	315.4	1.5	41.4	4.5	57.0
13.3	50.2	4880.3	550.0	-10.6	-22.2	200.0	16.8	6.8	15.3	311.6	315.3	1.2	37.5	5.5	49.0
14.5	53.1	5216.6	525.0	-13.1	-24.9	200.5	15.7	7.8	17.7	312.7	315.8	1.0	35.9	6.5	46.0
15.9	56.0	5605.1	500.0	-16.0	-27.6	210.8	15.2	9.1	12.1	313.5	316.1	0.8	35.9	7.8	44.0
17.2	59.3	5990.0	475.0	-19.2	-30.5	213.9	15.3	8.5	12.7	314.2	316.3	0.6	35.9	9.0	43.0
18.6	62.6	6390.3	450.0	-22.0	-33.0	216.1	15.1	8.3	11.4	315.6	316.7	0.3	21.8	10.3	42.0
20.0	65.9	6807.3	425.0	-24.1	-35.7	221.3	13.9	9.1	10.4	315.6	316.8	0.2	21.4	11.4	41.0
21.5	69.4	7242.6	400.0	-30.2	-43.4	227.0	15.4	11.3	10.5	315.7	316.4	0.2	23.2	12.7	42.0
22.9	72.9	7657.9	375.0	-34.3	-47.3	231.5	12.9	10.1	8.0	315.2	315.7	0.1	25.2	14.0	42.0
24.7	76.8	8175.9	350.0	-38.7	-50.4	237.4	12.8	10.3	7.7	316.5	316.9	0.1	27.5	15.3	43.0
26.4	80.7	8687.8	325.0	-42.5	-54.9	210.1	15.5	8.3	14.3	318.1	319.9	99.9	99.9	16.7	44.0
28.2	85.0	9218.4	300.0	-46.3	-59.9	193.1	22.7	4.3	24.8	321.5	319.9	99.9	99.9	16.7	44.0
30.1	89.2	9798.0	275.0	-48.5	-64.5	193.1	22.8	5.2	22.2	323.8	319.9	99.9	99.9	21.4	36.0
32.1	94.0	10442.7	250.0	-42.9	-60.9	154.8	13.4	-6.3	17.3	323.3	319.9	99.9	99.9	23.3	33.0
34.6	98.8	11148.8	225.0	-43.6	-60.9	172.1	23.2	-3.2	27.0	321.7	319.9	99.9	99.9	25.4	27.0
37.2	104.3	11939.1	200.0	-44.8	-60.9	172.7	21.0	-2.7	20.9	321.9	319.9	99.9	99.9	28.1	24.0
40.0	110.0	12831.0	175.0	-45.0	-60.9	216.1	17.0	10.0	13.7	324.6	319.9	99.9	99.9	31.5	21.0
43.4	116.3	13849.5	150.0	-50.2	-60.9	190.5	18.2	9.0	15.9	323.5	319.9	99.9	99.9	34.5	23.0
47.1	123.5	15026.5	125.0	-55.7	-60.9	190.5	11.1	1.0	2.9	324.2	319.9	99.9	99.9	36.3	24.0
52.0	131.3	16433.2	100.0	-57.8	-60.9	225.3	8.4	6.0	5.9	410.2	319.9	99.9	99.9	38.0	23.0
57.7	140.0	18219.2	75.0	-58.3	-60.9	142.1	7.8	-3.5	4.4	452.8	319.9	99.9	99.9	39.8	24.0
65.8	149.0	20804.3	50.0	-55.2	-60.9	80.1	4.0	-3.9	-0.7	513.3	319.9	99.9	99.9	40.1	21.0
74.5	158.0	25299.2	25.0	-48.3	-60.9	99.9	99.9	99.9	99.9	651.4	319.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 734
SALT STE. WAFIE, MICHIGAN

12 JUNE 1976
1105 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

156 15. 1

TIME MIN	ONTCY	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	WX RTO GM/KG	RH PCT	RANGE AZ KM	DZ
0.0	0.9	221.0	990.2	10.6	6.7	110.0	3.1	-2.9	1.1	284.6	303.7	6.3	77.0	0.0	0.
0.9	0.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	8.2	350.0	975.0	10.7	2.7	276.1	4.3	4.3	-0.5	285.9	294.5	4.8	57.5	0.8	293.
1.2	10.4	556.7	950.0	10.8	2.3	138.4	8.2	-5.5	6.2	288.1	303.8	4.8	55.7	2.8	298.
1.9	12.5	788.8	925.0	9.7	2.8	140.3	15.0	-9.6	11.5	289.2	302.8	5.1	62.4	1.5	306.
2.8	15.7	1015.8	900.0	8.4	1.5	149.9	13.6	-6.8	11.8	290.2	303.0	4.7	61.5	2.2	313.
3.6	16.7	1248.7	875.0	8.2	0.9	157.1	9.0	-3.5	8.3	292.3	305.0	4.7	60.0	2.7	317.
4.5	17.1	1489.1	850.0	10.4	3.3	167.7	2.1	-0.5	2.1	297.0	312.7	5.7	61.5	3.0	319.
5.3	21.3	1739.0	825.0	12.1	-1.8	320.2	1.7	1.1	-1.3	301.4	312.9	4.1	37.9	3.0	320.
6.3	23.7	1996.6	800.0	11.6	-2.4	298.9	6.0	5.3	-2.8	303.5	315.1	4.0	37.5	2.8	323.
7.2	25.9	2261.6	775.0	11.1	-10.0	293.9	8.0	7.3	-3.2	305.8	312.7	2.3	21.7	2.5	324.
8.1	28.5	2534.6	750.0	10.1	-11.3	297.6	9.6	8.5	-4.4	307.6	314.1	2.1	20.8	2.0	332.
9.1	31.0	2815.2	725.0	8.4	-12.7	299.7	10.6	9.2	-5.2	308.7	314.8	2.0	20.9	1.5	343.
10.1	33.7	3104.3	700.0	6.6	-14.1	305.8	11.6	9.4	-6.8	309.8	315.5	1.6	21.0	1.1	8.
11.1	36.1	3411.7	675.0	5.1	-13.1	311.1	13.0	9.8	-8.4	311.4	317.8	2.1	25.3	1.9	46.
12.3	38.9	3708.4	650.0	3.2	-14.6	309.2	12.7	9.9	-9.1	312.6	319.5	1.9	25.5	1.4	88.
13.3	41.4	4025.2	625.0	1.1	-16.2	305.1	11.7	9.4	-6.7	313.8	319.2	1.7	25.9	2.0	101.
14.4	44.3	4352.1	600.0	-1.4	-18.4	301.6	11.1	9.8	-6.0	314.5	319.2	1.5	25.9	2.7	107.
15.6	47.3	4685.6	575.0	-3.9	-19.8	299.5	13.0	11.3	-6.4	315.5	319.9	1.4	27.6	3.5	110.
16.7	50.2	5038.8	550.0	-6.5	-21.4	296.9	14.7	12.7	-7.3	316.4	320.5	1.3	29.4	4.5	112.
18.0	53.1	5400.5	525.0	-9.1	-23.9	301.2	14.7	12.6	-7.6	317.4	320.9	1.0	28.7	5.7	114.
19.3	56.1	5776.0	500.0	-11.9	-27.3	302.2	13.5	11.5	-7.2	318.5	321.2	0.8	26.5	6.8	115.
20.7	59.4	6167.4	475.0	-13.6	-29.3	307.2	10.8	8.6	-6.4	321.2	323.6	0.7	25.0	7.8	116.
22.1	62.8	6576.5	450.0	-16.6	-31.9	310.4	9.3	7.1	-6.0	322.4	324.4	0.6	25.3	8.6	117.
23.6	65.0	7007.6	425.0	-19.3	-35.2	308.5	9.1	6.3	-5.0	324.2	325.8	0.4	23.4	9.4	119.
25.2	68.7	7451.4	400.0	-23.1	-37.1	316.3	8.1	5.6	-5.8	325.4	325.4	0.4	26	10.1	120.
26.8	73.3	7920.1	375.0	-27.3	-39.8	301.7	6.8	7.5	-4.6	325.5	326.6	0.3	29.0	10.9	120.
28.5	77.2	8413.4	350.0	-30.3	-43.0	292.5	11.4	10.5	-4.7	326.0	328.9	0.2	27.3	11.9	120.
30.4	81.2	8936.7	325.0	-34.2	-46.4	281.7	13.1	13.1	-4.7	329.5	332.1	0.2	26.4	13.3	119.
32.3	85.3	9431.9	300.0	-38.7	-50.3	279.3	12.9	12.7	-2.3	330.9	331.4	0.1	27.7	14.7	117.
34.5	89.7	10003.0	275.0	-43.8	-54.9	273.8	12.5	12.5	1.4	331.8	331.8	99.9	99.9	16.3	114.
36.7	94.4	10714.8	250.0	-49.4	-59.9	279.5	13.1	12.9	-2.2	332.3	332.3	99.9	99.9	17.8	112.
39.0	99.4	11395.6	225.0	-55.6	-64.9	314.7	14.5	10.4	-10.1	333.3	333.3	99.9	99.9	19.6	113.
41.5	104.8	12143.2	200.0	-56.5	-69.9	339.7	21.1	7.3	-15.4	343.3	343.3	99.9	99.9	21.9	116.
44.4	110.6	12968.4	175.0	-56.6	-69.9	314.6	21.4	15.2	-15.0	356.6	356.6	99.9	99.9	24.8	121.
48.0	115.8	13967.8	150.0	-59.5	-69.9	313.9	30.7	21.8	-21.0	367.7	367.7	99.9	99.9	30.4	123.
51.9	124.0	15091.0	125.0	-62.0	-69.9	316.5	22.1	15.2	-14.1	382.8	382.8	99.9	99.9	35.9	125.
56.9	132.0	16495.4	100.0	-58.7	-69.9	329.3	13.7	7.0	-11.7	414.1	414.1	99.9	99.9	40.4	124.
63.2	140.7	18287.3	75.0	-60.2	-69.9	311.3	7.7	5.5	-4.8	446.8	446.8	99.9	99.9	45.7	127.
71.7	146.7	20852.4	50.0	-55.4	-69.9	55.1	3.5	-2.9	-2.0	513.1	513.1	99.9	99.9	45.2	130.
85.1	150.3	25365.6	25.0	-47.8	-69.9	69.2	9.1	-9.7	-3.3	647.7	647.7	99.9	99.9	43.4	134.

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 747
INTL. FALLS, MINNESOTA
12 JUNE 1976
1243 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.9	359.0	560.9	13.9	13.9	70.0	6.2	-7.8	-2.1	297.4	317.3	10.5	99.8	0.0	0.
99.9	99.9	99.9	1000.0	48.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.3	8.6	455.9	950.0	14.7	13.9	80.3	7.5	-7.4	-1.3	292.1	319.7	10.6	95.3	0.3	24.2
1.2	10.9	682.1	925.0	14.4	13.9	102.9	7.5	-7.4	1.7	294.0	322.4	10.9	96.5	0.6	25.5
2.0	13.2	918.2	905.0	13.8	13.5	123.7	6.0	-5.0	3.3	295.8	324.5	10.9	98.4	0.9	27.1
2.9	15.3	1152.5	875.0	13.3	13.1	142.7	3.9	-2.2	3.1	297.6	326.6	10.9	99.1	1.1	27.6
3.6	17.6	1396.6	850.0	12.1	11.4	183.0	2.7	0.1	2.7	298.8	328.6	10.0	99.4	1.2	28.6
4.6	20.0	1646.8	835.0	10.6	9.7	244.0	2.7	2.4	1.2	299.8	329.7	9.2	94.3	1.2	29.0
5.3	22.2	1933.8	800.0	10.0	9.0	246.0	8.4	7.7	3.4	301.8	330.6	9.1	93.8	1.0	29.9
6.1	24.7	2168.2	775.0	9.2	8.0	236.9	12.1	10.2	6.4	303.7	327.9	8.8	92.7	0.9	32.6
6.6	26.9	2440.3	750.0	8.2	7.2	225.1	14.8	10.5	10.4	305.5	329.4	8.6	93.4	0.9	35.1
7.2	29.6	2720.5	725.0	6.8	5.6	215.9	18.8	11.1	15.3	306.9	329.2	7.9	92.3	1.1	9.
7.9	32.2	3008.7	700.0	5.1	3.3	214.0	24.8	14.6	20.1	308.1	328.0	7.0	88.3	2.3	17.
9.3	34.9	3305.5	675.0	3.7	-0.5	999.9	99.9	99.9	99.9	309.4	325.7	5.5	73.8	999.9	999.9
10.5	37.5	3612.0	650.0	2.2	-0.4	999.9	99.9	99.9	99.9	311.5	328.2	5.8	83.1	999.9	999.9
11.3	40.3	3928.9	625.0	1.8	-0.8	999.9	99.9	99.9	99.9	314.5	331.6	5.8	82.9	999.9	999.9
12.0	42.9	4261.1	600.0	5.9	4.0	999.9	99.9	99.9	99.9	322.9	338.5	8.6	87.8	999.9	999.9
12.5	46.0	4608.1	575.0	2.4	0.7	999.9	99.9	99.9	99.9	322.9	344.1	7.0	82.3	999.9	999.9
13.1	49.1	4955.4	550.0	-2.0	-4.7	999.9	99.9	99.9	99.9	321.8	336.9	4.9	81.7	999.9	999.9
13.5	52.0	5333.9	525.0	-4.8	-9.0	999.9	99.9	99.9	99.9	322.7	334.2	3.7	72.4	999.9	999.9
14.1	55.2	5713.9	500.0	-11.7	-16.3	999.9	99.9	99.9	99.9	318.7	325.5	2.1	68.8	999.9	999.9
14.9	58.4	6105.6	475.0	-13.4	-18.9	999.9	99.9	99.9	99.9	321.3	329.9	99.9	99.9	999.9	999.9
15.7	62.0	6515.4	450.0	-15.3	-20.9	999.9	99.9	99.9	99.9	324.0	333.9	99.9	99.9	999.9	999.9
16.4	65.5	6946.1	425.0	-17.1	-23.9	999.9	99.9	99.9	99.9	327.1	336.9	99.9	99.9	999.9	999.9
17.4	69.2	7395.1	400.0	-19.4	-26.3	999.9	99.9	99.9	99.9	329.4	338.3	1.3	65.0	999.9	999.9
18.5	73.0	7875.7	375.0	-22.9	-27.6	999.9	99.9	99.9	99.9	331.4	335.0	1.0	64.6	999.9	999.9
19.7	77.0	8377.9	350.0	-26.8	-31.5	999.9	99.9	99.9	99.9	333.6	335.4	0.9	64.1	999.9	999.9
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

STATION NO. 764
BISMARCK, NORTH DAKOTA
12 JUNE 1976
1100 GMT

TIME MIN	CNTCT	HEIGHT GPA	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	HK RTO GM/KG	RM PCT	RANGE KM	AL DEG
0.0	10.8	503.0	937.7	13.9	12.8	236.0	1.6	1.2	1.0	292.4	318.4	10.0	93.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.4	11.8	618.6	925.0	15.2	14.2	999.9	99.9	99.9	99.9	298.9	324.0	11.1	94.1	999.9	999.9
1.5	14.0	851.7	900.0	15.4	13.2	999.9	99.9	99.9	99.9	297.4	325.7	10.7	86.8	999.9	999.9
2.4	16.0	1091.0	875.0	15.4	11.0	999.9	99.9	99.9	99.9	298.8	325.4	9.5	75.1	999.9	999.9
3.4	18.3	1336.9	850.0	14.5	8.9	205.9	2.3	1.0	2.1	361.4	324.5	6.5	56.5	0.4	5.
4.4	20.5	1590.2	825.0	14.9	6.4	238.8	4.1	3.5	2.1	304.4	324.9	7.3	56.5	0.6	10.
5.3	22.8	1849.9	800.0	13.0	4.4	248.4	7.3	6.8	2.6	305.0	323.5	6.6	55.8	0.8	33.
6.3	25.2	2117.0	775.0	12.3	1.9	258.7	8.8	8.6	1.7	307.0	323.2	5.7	48.9	1.2	48.
7.3	27.4	2391.0	750.0	10.7	-4.9	239.8	8.4	7.3	4.2	309.2	319.7	3.6	33.1	1.7	56.
8.2	29.9	2673.3	725.0	10.8	-12.6	220.4	15.0	6.5	7.6	311.3	317.5	2.0	17.9	2.2	54.
9.3	32.5	2964.9	700.0	9.1	-8.6	211.4	11.7	6.1	9.0	312.6	321.3	2.9	27.6	2.9	49.
10.2	35.1	3264.8	675.0	7.0	-15.6	214.4	12.5	7.1	10.3	313.5	318.9	1.7	18.1	3.6	46.
11.3	37.6	3573.4	650.0	4.3	-15.4	216.1	13.2	7.7	10.6	313.8	319.4	1.8	22.3	4.4	44.
12.4	40.3	3890.7	625.0	1.2	-12.2	214.6	13.8	7.8	11.4	313.9	321.3	2.4	36.0	5.3	43.
13.6	43.0	4217.3	600.0	-1.8	-11.8	215.3	15.1	8.7	12.3	314.1	322.0	2.6	46.0	6.2	41.
14.7	45.9	4554.6	575.0	-4.2	-10.2	216.3	16.2	8.4	11.5	315.1	321.0	1.9	39.9	7.3	41.
16.0	49.0	4903.1	550.0	-7.4	-10.7	216.9	18.2	9.1	12.2	315.3	320.4	1.6	39.9	8.3	40.
17.1	51.8	5263.7	525.0	-9.9	-23.4	211.7	19.5	10.3	16.6	315.6	320.9	1.1	32.0	9.5	40.
18.2	54.9	5638.5	500.0	-12.5	-25.0	209.8	21.7	10.9	18.8	317.9	320.9	0.9	31.0	10.9	38.
19.6	57.9	6027.8	475.0	-15.8	-25.4	208.6	24.6	17.3	22.4	318.4	321.8	1.0	43.2	12.8	37.
21.0	61.3	6432.8	450.0	-19.4	-24.1	198.5	28.7	8.5	25.4	319.9	322.9	1.2	66.2	14.9	35.
22.5	64.7	6855.2	425.0	-22.7	-24.0	193.2	25.8	5.9	25.1	319.9	324.1	1.3	88.7	17.1	32.
24.0	68.1	7297.1	400.0	-26.4	-26.9	186.6	25.2	3.8	24.9	320.7	324.2	1.1	96.2	19.3	29.
25.7	71.7	7768.2	375.0	-30.3	-31.5	182.3	25.2	1.0	25.2	321.6	324.0	0.7	88.6	21.5	27.
27.1	75.6	8247.8	350.0	-33.4	-40.3	183.4	28.0	1.7	28.9	323.7	324.9	0.3	49.9	23.7	24.
28.8	79.5	8765.3	325.0	-36.0	-50.3	180.1	33.5	0.0	33.5	327.5	327.5	0.1	21.1	26.7	22.
30.7	83.6	9317.6	300.0	-38.4	-59.7	175.3	31.4	-2.6	31.3	329.8	999.9	99.9	999.9	30.2	19.
32.7	87.8	9906.9	275.0	-44.6	-69.9	167.9	30.5	-6.5	29.8	330.7	999.9	99.9	999.9	33.5	16.
35.0	92.6	10538.3	250.0	-48.7	-79.9	159.7	28.6	-9.9	26.9	333.7	999.9	99.9	999.9	36.9	13.
36.9	97.2	11711.8	225.0	-49.1	-99.9	141.6	35.2	-21.8	27.6	343.3	999.9	99.9	999.9	39.5	9.
39.5	102.4	12732.2	200.0	-49.9	-99.9	170.9	24.1	-3.8	23.8	353.8	999.9	99.9	999.9	43.5	5.
42.4	108.0	13884.4	175.0	-47.0	-99.9	177.5	17.5	-0.7	17.5	372.3	999.9	99.9	999.9	46.8	5.
45.8	114.0	13896.0	150.0	-51.0	-99.9	200.0	3.2	1.1	3.0	382.1	999.9	99.9	999.9	49.1	5.
49.3	120.7	15072.3	125.0	-54.9	-99.9	122.2	6.7	-5.7	3.6	395.6	999.9	99.9	999.9	49.6	4.
53.8	126.0	16481.3	100.0	-61.4	-99.9	171.7	8.7	-1.0	6.6	409.1	999.9	99.9	999.9	49.8	3.
59.2	136.3	18282.2	75.0	-58.7	-99.9	148.3	4.3	-2.5	3.5	456.1	999.9	99.9	999.9	52.8	2.
66.1	144.7	20846.8	50.0	-55.8	-99.9	126.6	4.9	-4.1	2.8	512.0	999.9	99.9	999.9	56.5	36.
77.6	155.0	25330.7	25.0	-49.0	-99.9	117.2	6.1	-5.4	2.8	646.6	999.9	99.9	999.9	58.5	356.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 768
GLASGOW, MONTANA12 JUNE 1976
1100 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE K4	AZ DG
0.0	13.2	696.0	919.3	15.0	10.6	270.0	3.6	3.6	0.0	295.2	318.5	8.8	75.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	95.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	15.1	875.6	900.0	14.0	7.8	316.3	5.7	3.9	-4.1	295.9	315.9	7.4	66.4	0.2	105.
1.5	17.2	1113.0	875.0	12.8	5.9	351.6	13.9	1.6	-10.7	297.1	315.3	6.7	63.1	0.6	136.
2.3	19.6	1356.8	850.0	12.1	3.8	356.5	11.6	0.7	-11.6	298.9	315.3	5.9	56.8	1.1	159.
3.3	21.9	1606.2	825.0	10.0	3.8	344.4	13.4	3.6	-12.9	299.2	316.1	6.1	65.6	1.8	163.
4.1	24.4	1851.3	800.0	7.8	3.1	340.3	13.0	4.5	-12.3	298.5	316.0	6.0	72.1	2.5	163.
4.9	26.7	2122.6	775.0	5.7	3.2	334.1	11.2	4.9	-10.1	299.9	317.1	6.2	83.6	3.1	162.
5.9	29.3	2390.2	750.0	3.2	0.8	330.4	11.5	5.7	-10.0	300.0	315.3	5.5	85.1	3.7	160.
6.8	32.0	2663.6	725.0	0.9	-10.4	330.4	11.3	5.6	-9.6	300.5	307.5	2.4	42.2	4.3	158.
7.8	34.7	2945.0	700.0	-0.3	-6.1	339.2	10.0	3.6	-9.4	302.2	312.3	3.5	64.8	5.0	158.
8.7	37.1	3236.2	675.0	-0.4	-1.5	358.4	8.3	0.2	-8.3	302.2	319.7	5.1	92.3	5.5	158.
9.8	39.9	3537.9	650.0	-1.9	-4.6	24.3	8.3	-3.6	-7.5	306.8	320.5	4.7	92.1	5.9	161.
10.8	42.6	3849.6	625.0	-3.5	-7.7	13.8	8.5	-2.0	-8.3	308.5	321.2	4.3	91.8	6.3	165.
11.8	45.3	4171.5	600.0	-6.0	-9.7	26.4	8.6	-2.9	-8.3	309.2	319.8	3.6	88.0	6.7	168.
13.0	48.5	4504.9	575.0	-7.9	-9.7	69.6	6.1	-3.8	-2.1	313.3	320.4	3.2	86.5	7.3	170.
14.3	51.4	4849.1	550.0	-9.1	-10.5	109.3	7.1	-6.8	2.3	314.4	321.1	2.1	89.7	7.5	176.
15.4	54.5	5209.0	525.0	-11.7	-15.7	130.1	9.5	-6.5	5.5	315.8	321.5	1.8	69.7	7.1	180.
16.5	57.6	5580.2	500.0	-14.1	-18.4	120.7	6.0	-5.1	3.1	317.4	323.0	1.8	80.2	6.7	184.
17.9	61.0	5957.7	475.0	-16.6	-19.2	75.7	3.3	-2.2	-0.9	319.0	323.2	1.3	70.1	6.7	186.
19.2	64.4	6372.4	450.0	-19.3	-23.3	24.6	5.9	-2.5	-5.4	320.1	323.3	1.0	66.5	7.0	189.
20.7	67.7	6794.9	425.0	-22.6	-27.1	24.6	5.9	-2.5	-5.4	320.1	323.3	1.0	66.5	7.0	189.
22.2	71.3	7236.9	400.0	-26.2	-31.4	24.6	9.4	-4.6	-8.2	321.0	323.4	0.7	61.3	7.7	189.
23.8	75.1	7701.2	375.0	-29.2	-35.5	61.5	7.7	-6.7	-3.6	322.9	323.0	0.6	66.4	8.4	193.
25.6	79.2	8189.9	350.0	-33.6	-38.6	78.6	6.7	-6.6	-1.3	323.4	323.6	0.4	60.5	8.8	197.
27.4	83.2	8705.2	325.0	-38.0	-43.5	63.9	8.7	-8.7	-0.9	324.3	325.2	0.2	55.8	9.1	201.
29.4	87.3	9252.4	300.0	-41.8	-49.9	95.6	13.9	-13.9	1.3	326.5	325.9	99.9	99.9	9.7	209.
31.6	92.0	9836.2	275.0	-46.3	-53.9	113.9	18.4	-18.4	7.4	328.1	327.9	99.9	99.9	10.5	220.
33.9	96.6	10464.2	250.0	-49.7	-59.9	124.5	23.6	-18.5	13.4	332.2	329.9	99.9	99.9	11.4	236.
36.5	101.6	11149.8	225.0	-52.4	-63.9	136.1	34.9	-24.2	25.1	338.2	329.9	99.9	99.9	13.3	254.
39.3	107.2	11912.9	200.0	-50.7	-63.2	163.2	19.8	-5.7	18.9	352.6	329.9	99.9	99.9	15.7	271.
42.5	112.6	12787.5	175.0	-49.6	-63.2	180.2	15.	0.1	15.6	348.1	329.9	99.9	99.9	15.6	283.
46.4	119.0	13799.5	150.0	-51.1	-63.9	191.8	1	2.1	10.0	363.1	329.9	99.9	99.9	16.1	294.
51.2	126.0	14978.6	125.0	-52.5	-63.9	158.4	19.4	-7.1	18.1	400.0	329.9	99.9	99.9	17.8	305.
56.8	133.7	16393.6	100.0	-58.5	-63.9	189.8	12.6	2.1	12.4	418.9	329.9	99.9	99.9	22.1	315.
63.7	141.3	18205.3	75.0	-58.9	-63.9	172.1	8.2	-1.1	8.1	449.4	329.9	99.9	99.9	25.0	319.
73.0	149.0	20777.8	50.0	-53.7	-63.9	119.9	6.0	-5.2	3.0	516.9	329.9	99.9	99.9	27.0	320.
86.9	157.0	25262.5	25.0	-49.6	-63.9	94.9	12.3	-12.2	1.0	642.2	329.9	99.9	99.9	31.0	314.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 775
GREAT FALLS, MONTANA12 JUNE 1976
1105 GMT

147 14.0

TIME MIN	CNTCT	HEIGHT GCM	PRES MB	TEMP DG C	DEW PT DG C	DIC DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT Y DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	16.6	1116.0	879.4	10.6	2.9	230.3	6.2	4.7	4.0	294.4	309.0	5.4	59.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	17.0	1156.8	875.0	11.1	-1.5	245.1	15.7	14.2	6.6	295.3	305.2	3.9	41.6	0.3	58.
1.3	19.4	1401.4	850.0	9.6	-2.4	251.5	15.8	15.0	5.0	294.2	306.8	3.8	42.8	1.1	65.
2.3	21.5	1648.2	825.0	7.5	-3.1	262.5	13.3	13.3	0.4	290.5	306.8	3.7	46.3	1.8	71.
3.0	24.0	1901.0	800.0	6.2	-4.3	271.9	13.4	13.4	-0.4	297.9	307.6	3.5	46.7	2.5	75.
3.9	26.2	2160.6	775.0	4.5	-4.7	285.4	5.7	5.5	-1.5	294.6	308.5	3.5	51.4	2.8	80.
4.8	28.8	2426.6	750.0	2.1	-5.5	273.2	3.5	3.5	-0.2	298.9	308.6	3.4	57.2	3.1	81.
5.9	31.4	2690.8	725.0	0.4	-4.4	277.3	1.7	1.7	-0.2	299.9	310.8	3.8	70.2	3.2	82.
6.9	34.0	2980.4	700.0	-1.6	-5.3	297.9	3.6	3.2	-1.7	300.9	311.3	3.7	75.5	3.3	83.
8.0	36.4	3269.6	675.0	-3.3	-5.2	314.0	2.5	1.8	-1.8	302.0	313.0	3.8	86.4	3.5	85.
9.3	39.2	3567.1	650.0	-5.7	-7.0	322.9	3.6	2.1	-2.8	302.5	312.6	3.5	90.6	3.6	87.
10.1	41.8	3874.8	625.0	-8.6	-19.8	320.1	6.7	4.3	-5.2	305.1	319.2	1.3	33.4	3.8	92.
11.3	44.7	4194.6	600.0	-6.3	-28.0	326.0	6.3	4.6	-6.8	303.8	313.9	0.6	16.0	4.2	97.
12.5	47.6	4526.3	575.0	-8.2	-30.5	340.3	7.5	2.5	-7.0	310.4	312.2	0.5	14.5	4.6	103.
13.6	50.5	4870.0	550.0	-10.8	-31.0	343.4	7.7	1.5	-7.5	311.3	313.1	0.5	17.0	4.8	109.
15.0	53.5	5223.8	525.0	-13.4	-24.1	345.6	7.9	1.4	-7.4	312.3	315.7	1.1	42.3	5.1	115.
16.3	56.4	5595.0	500.0	-16.4	-16.4	350.6	6.3	1.0	-6.2	313.1	318.7	1.8	44.1	5.5	120.
17.7	59.7	5970.1	475.0	-18.8	-20.1	334.5	6.6	2.8	-5.9	314.9	317.4	0.8	43.1	5.8	124.
19.0	63.1	6370.5	450.0	-22.2	-30.6	312.5	6.4	4.2	-4.8	315.4	315.7	0.4	25.8	6.3	125.
20.5	66.3	6797.5	425.0	-25.1	-44.9	321.2	6.3	3.9	-4.9	315.8	317.4	0.2	14.1	6.9	126.
21.9	69.9	7235.3	400.0	-28.1	-44.7	334.4	6.4	2.8	-5.7	313.5	313.2	0.2	18.5	7.4	129.
23.6	73.4	7695.0	375.0	-32.3	-44.2	353.9	4.4	0.5	-4.4	313.8	319.5	0.2	19.4	7.9	137.
25.4	77.3	8178.4	350.0	-36.7	-39.7	3.9	0.5	-0.4	-6.6	320.6	321.8	0.3	66.6	8.2	133.
27.1	81.1	8689.5	325.0	-39.7	99.9	1.3	7.8	-0.2	-7.8	321.9	99.9	99.9	99.9	8.7	137.
28.9	85.3	9232.1	300.0	-43.0	99.9	52.4	3.8	-3.0	-2.3	324.7	99.9	99.9	99.9	9.2	140.
30.7	89.6	9813.5	275.0	-47.2	99.9	119.4	11.1	-9.7	5.4	323.9	99.9	99.9	99.9	9.5	143.
33.1	94.4	10438.1	250.0	-51.6	99.9	135.0	17.2	-12.2	12.2	320.4	99.9	99.9	99.9	9.9	147.
35.6	99.2	11115.3	225.0	-54.7	99.9	135.8	19.5	-12.6	14.9	334.7	99.9	99.9	99.9	9.9	154.
38.4	104.4	11867.3	200.0	-54.1	99.9	163.7	14.2	-4.0	13.6	347.2	99.9	99.9	99.9	9.9	169.
41.6	110.2	12733.1	175.0	-50.8	99.9	215.5	16.7	10.6	12.9	360.1	99.9	99.9	99.9	1.8	7.
45.3	115.3	13732.1	150.0	-50.1	99.9	210.1	11.7	5.8	10.1	383.7	99.9	99.9	99.9	4.5	21.
49.6	123.3	14917.3	125.0	-51.9	99.9	193.6	9.6	2.3	9.4	401.0	99.9	99.9	99.9	7.1	20.
54.5	131.0	16355.5	100.0	-55.5	99.9	173.0	8.8	-1.1	8.8	420.5	99.9	99.9	99.9	9.1	18.
61.1	134.7	18174.6	75.0	-55.2	99.9	214.5	3.5	2.0	2.9	457.2	99.9	99.9	99.9	12.6	19.
69.4	148.5	20760.8	50.0	-53.3	99.9	141.6	3.1	-2.0	2.5	517.2	99.9	99.9	99.9	14.5	14.
82.0	158.0	25266.9	25.0	-48.0	99.9	64.0	10.0	-10.0	-0.4	646.5	99.9	99.9	99.9	13.7	359.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND IC DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC. ALABAMA12 JUNE 1976
1140 G.T

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	CF. PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RYD GM/KG	PH PCT	RANGE KN	AZ DG
0.0	6.7	180.0	994.6	19.2	18.9	90.3	1.6	-1.6	0.0	292.8	328.7	14.0	98.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	8.3	353.0	975.0	22.5	15.5	47.3	0.7	-0.5	-0.4	297.5	328.2	11.5	64.9	0.1	211.
1.9	10.4	580.0	950.0	23.2	14.9	201.8	0.8	0.3	0.7	300.7	329.4	10.7	56.2	0.1	217.
2.9	12.5	812.0	925.0	21.2	12.6	205.5	0.5	0.2	0.4	301.6	327.9	10.0	50.0	0.0	242.
4.0	14.9	1048.6	900.0	19.1	11.4	101.7	0.2	-0.2	0.0	301.2	326.9	9.5	61.0	0.0	262.
5.0	17.0	1290.3	875.0	16.9	10.3	83.0	0.4	-0.4	-0.0	301.3	325.9	9.0	65.0	0.0	264.
6.1	19.4	1537.0	850.0	14.4	9.7	60.7	0.4	-0.7	-0.1	301.3	325.6	8.9	73.1	0.1	262.
7.2	21.5	1789.0	825.0	12.5	6.8	121.7	0.3	-0.3	0.2	301.9	322.7	7.5	68.5	0.1	263.
8.3	24.1	2046.6	800.0	10.7	4.7	199.7	0.5	0.2	0.4	302.6	321.3	6.7	66.1	0.1	275.
9.5	26.3	2311.0	775.0	9.5	-1.0	150.2	1.5	-0.7	1.2	304.1	317.3	4.6	47.6	0.1	290.
10.6	28.9	2582.5	750.0	8.4	-5.3	150.2	3.2	-1.3	3.0	305.7	315.6	3.4	37.3	0.3	311.
11.9	31.6	2861.8	725.0	7.3	-15.6	167.7	1.8	-0.4	1.8	307.5	312.4	1.6	18.0	0.5	326.
13.0	34.2	3150.1	700.0	6.8	-28.5	112.7	0.5	-0.5	0.2	310.1	311.9	0.5	6.1	0.6	327.
14.3	36.8	3447.5	675.0	4.4	-12.3	100.3	0.6	-0.6	0.1	310.6	317.4	2.2	28.7	0.6	322.
15.5	39.6	3753.9	650.0	3.0	-20.1	124.5	0.8	-0.7	0.5	312.4	316.4	1.2	18.9	0.6	321.
16.9	42.2	4070.0	625.0	0.5	-15.1	147.5	0.6	-0.3	0.5	313.7	319.0	1.9	25.9	0.7	321.
18.2	45.1	4396.5	500.0	-1.7	-14.3	93.9	0.3	-0.3	0.0	314.2	320.8	2.1	37.4	0.7	321.
19.5	48.1	4734.3	575.0	-1.8	-44.0	355.8	2.0	0.1	-2.0	317.9	318.4	0.1	2.3	0.7	317.
21.0	51.0	5087.3	550.0	-7.0	-40.1	371.3	2.9	1.4	-2.6	320.6	323.9	0.1	1.4	0.5	371.
22.4	54.1	5454.2	525.0	-4.8	-49.0	312.0	1.6	1.4	-1.2	322.7	323.0	0.1	1.6	0.3	293.
23.9	57.1	5836.0	500.0	-7.2	-49.1	312.4	0.5	0.4	-0.3	324.3	324.6	0.1	1.9	0.2	282.
25.6	60.6	6233.5	475.0	-12.3	-49.7	279.2	1.4	1.4	-0.2	325.2	325.5	0.1	2.3	0.2	288.
27.3	64.0	6647.6	450.0	-12.9	-50.4	108.9	2.0	-1.9	0.6	327.1	327.4	0.1	2.6	0.0	289.
29.0	67.4	7080.7	425.0	-16.0	-51.4	275.9	1.9	1.6	1.1	328.5	328.8	0.1	2.9	0.2	376.
30.8	71.0	7534.1	400.0	-19.9	-40.2	241.3	5.2	4.6	2.5	329.2	330.2	0.3	14.3	0.4	17.
32.7	74.9	8009.9	375.0	-23.1	-46.5	261.9	13.5	13.5	0.3	331.0	331.6	0.2	5.4	1.2	55.
34.7	79.0	8510.9	350.0	-27.4	-46.6	267.3	16.9	16.9	0.4	331.5	331.6	0.1	9.9	3.2	81.
37.1	83.0	9041.0	325.0	-31.2	-52.3	261.8	16.6	16.4	2.4	337.6	334.0	0.1	11.4	5.7	81.
39.4	87.2	9602.8	300.0	-36.1	-55.7	274.7	16.8	16.7	-1.4	334.6	334.8	0.1	11.0	7.8	84.
41.7	92.0	10202.6	275.0	-40.2	-59.9	275.7	23.7	23.6	-2.4	337.1	339.9	0.9	99.9	10.5	97.
44.0	96.8	10845.0	250.0	-46.1	-60.9	260.0	19.6	19.3	3.4	337.5	339.9	0.9	99.9	13.7	87.
46.7	102.0	11547.9	225.0	-48.2	-60.9	259.9	23.9	23.5	4.2	344.7	344.7	0.9	99.9	17.5	86.
49.5	107.8	12308.6	200.0	-53.6	-60.9	260.7	29.3	28.9	4.8	347.8	349.9	0.9	99.9	22.0	84.
52.4	113.8	13152.7	175.0	-60.7	-60.9	263.1	27.9	27.7	3.3	349.4	349.4	0.9	99.9	27.1	83.
55.7	120.3	14105.5	150.0	-63.2	-60.9	261.8	16.8	16.7	2.4	361.1	361.1	0.9	99.9	31.5	83.
59.2	127.7	15209.0	125.0	-66.9	-60.9	254.7	12.6	12.1	3.3	373.8	373.8	0.9	99.9	36.4	83.
63.4	136.0	16542.6	100.0	-70.0	-60.9	254.3	8.0	7.7	2.2	392.5	392.5	0.9	99.9	36.6	83.
68.6	144.0	18267.8	75.0	-67.0	-60.9	324.8	3.5	2.0	-2.8	432.4	432.4	0.9	99.9	39.0	83.
76.1	153.0	21772.8	50.0	-59.3	-60.9	332.7	6.0	2.7	-5.3	503.6	503.6	0.9	99.9	38.5	86.
86.2	162.5	25246.2	25.0	-48.8	-60.9	17.4	9.0	-2.7	-8.6	644.7	644.7	0.9	99.9	38.3	93.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 77001
 UNIV. OF TENNESSEE

 12 JUNE 1976
 1115 GMT

TIME MIN	CNTCT	HEIGHT GEM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SFC	U COMP M/SFC	V COMP M/SEC	POT T DG K	E POT T DG K	MX QTC GM/KG	RH PCT	RANGE AZ KM	155 18. 0
0.0	7.1	300.0	979.4	15.3	14.5	0.0	0.0	0.0	0.0	290.2	317.7	10.7	05.0	0.0	0.0
00.9	90.9	100.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	7.4	335.6	975.0	16.9	99.9	52.7	0.3	-0.3	0.0	292.2	993.9	90.9	99.9	0.0	0.0
0.9	9.6	563.9	950.0	22.9	10.0	52.4	0.5	-0.4	-0.3	300.4	322.7	8.2	44.0	0.0	0.0
1.8	11.5	795.0	925.0	22.1	8.3	343.6	0.9	0.3	-0.9	301.9	322.5	7.5	41.2	0.1	2.7
2.7	13.7	1013.3	900.0	20.3	8.8	330.5	1.1	0.5	-0.9	302.5	324.4	8.0	47.6	0.1	20.3
3.6	15.7	1274.7	875.0	17.8	6.3	297.4	1.2	1.1	-0.6	302.3	324.1	7.9	53.8	0.1	17.5
4.4	15.0	1521.8	850.0	15.3	6.9	293.8	2.1	1.9	-0.9	302.2	322.6	7.4	57.2	0.2	14.8
5.2	20.2	1774.4	825.0	13.4	5.9	311.9	2.6	2.0	-1.6	302.8	322.5	7.1	60.4	0.3	13.7
6.1	22.4	2032.7	800.0	11.0	4.4	308.6	2.6	2.0	-1.6	302.8	321.3	6.6	64.1	0.4	13.7
7.1	24.8	2297.1	775.0	9.3	4.2	273.8	2.9	2.9	-0.2	303.9	322.0	6.7	70.2	0.6	13.0
8.1	27.0	2565.5	750.0	7.6	2.9	261.4	3.1	3.1	0.5	304.8	322.6	6.3	72.3	0.7	11.9
9.1	29.5	2847.7	725.0	6.7	-5.0	255.8	3.2	3.1	0.6	306.8	317.5	5.7	73.2	0.9	11.1
10.3	32.1	3135.7	700.0	7.1	-43.9	235.3	2.1	1.7	1.2	310.4	310.9	0.1	1.5	1.0	10.2
11.4	34.7	3433.6	675.0	5.6	-27.7	241.2	1.1	1.0	0.5	311.9	314.5	0.9	9.5	1.1	9.9
12.4	37.1	3740.4	650.0	2.9	-10.4	273.8	1.7	1.7	-0.1	312.3	323.4	2.7	36.8	1.2	9.7
13.5	39.9	4056.8	625.0	0.9	-20.4	316.2	2.1	1.4	-1.5	313.5	317.5	1.2	19.1	1.3	9.8
14.6	42.4	4384.1	600.0	0.3	-49.9	26.3	2.4	-1.4	-1.9	316.4	316.7	0.1	1.0	1.3	10.4
15.7	45.4	4723.6	575.0	-1.6	-51.0	61.2	3.9	-3.4	-1.9	318.1	318.3	0.1	1.0	1.2	1.3
16.9	48.4	5076.3	550.0	-2.9	-51.8	59.9	3.8	-3.3	-1.9	320.6	320.9	0.1	1.0	1.0	1.25
18.3	51.3	5482.7	525.0	-5.8	-53.6	46.7	3.6	-2.8	-2.4	321.5	321.7	0.0	1.0	1.0	1.2
19.5	54.4	5823.5	500.0	-7.6	-54.7	77.1	3.2	-3.1	-0.7	323.8	323.9	0.0	1.0	1.0	1.2
21.0	57.4	6220.7	475.0	-9.9	-56.2	55.7	2.9	-2.4	-1.6	325.9	325.9	0.0	1.0	1.0	1.2
22.3	60.9	6633.7	450.0	-12.6	-57.9	374.9	2.4	1.0	-2.2	327.5	327.6	0.0	1.0	1.1	1.78
23.8	64.4	7068.8	425.0	-15.4	-60.4	123.1	4.6	2.7	-3.7	327.9	329.0	0.0	1.0	1.4	1.70
25.1	67.9	7522.0	400.0	-19.7	-62.4	321.7	7.6	3.6	-6.7	329.4	329.5	0.0	1.0	1.9	1.64
26.6	71.4	7988.3	375.0	-23.2	-63.4	144.8	10.1	2.6	-9.7	330.9	331.7	0.2	13.6	2.7	1.52
28.3	75.4	8498.2	350.0	-27.4	-64.4	350.9	12.5	2.0	-12.3	331.9	332.4	0.1	11.5	3.7	1.65
29.9	79.6	9028.6	325.0	-31.1	-66.2	347.7	19.7	4.0	-18.2	333.9	334.0	0.1	6.4	5.3	1.66
31.7	83.8	9591.1	300.0	-35.7	-68.3	347.2	19.4	4.1	-18.0	335.1	335.3	0.0	5.9	7.3	1.66
33.7	88.2	10194.3	275.0	-39.6	-70.6	346.1	22.2	1.7	-22.1	337.9	337.9	0.0	9.9	9.4	1.67
35.5	93.2	10836.5	250.0	-44.0	-73.0	346.1	27.4	2.8	-27.5	340.7	340.7	0.0	90.9	12.2	1.59
37.6	98.3	11536.0	225.0	-48.5	-76.9	346.9	33.9	7.7	-33.0	344.2	344.2	0.0	99.9	16.2	1.69
40.0	103.8	12302.6	200.0	-52.5	-80.0	346.3	31.0	11.5	-38.4	349.1	349.1	0.0	99.9	20.4	1.68
42.7	110.0	13154.6	175.0	-58.2	-82.2	341.6	34.8	12.3	-36.4	353.8	353.8	0.0	99.9	25.6	1.66
45.4	116.3	14117.2	150.0	-63.0	-83.0	333.8	17.8	1.9	-17.7	361.5	361.5	0.0	99.9	30.3	1.66
48.7	124.0	15228.3	125.0	-64.5	-84.5	318.5	14.2	5.2	-13.2	378.2	378.2	0.0	99.9	33.9	1.66
52.7	132.0	16574.2	100.0	-67.8	-87.8	326.3	9.9	5.5	-8.2	396.8	396.8	0.0	99.9	35.2	1.65
57.4	140.0	18315.2	75.0	-66.4	-86.4	28.8	2.5	-1.2	-2.2	433.8	433.8	0.0	99.9	37.8	1.65
64.2	145.0	20821.7	50.0	-57.9	-99.9	77.3	4.7	-4.6	-1.0	507.1	507.1	0.0	99.9	38.1	1.67
74.4	158.3	25290.6	25.0	-49.8	-99.9	85.1	8.0	-8.0	-0.1	642.0	642.0	0.0	99.9	37.3	1.74

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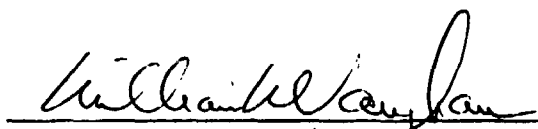
APPROVAL

DATA FOR NASA'S AVE V EXPERIMENT:
25-MB SOUNDING DATA AND SYNOPTIC CHARTS

By Mark E. Humbert and Kelly Hill

The information in this report has been reviewed for security classification. Review of any information concerning Department of Defense or Atomic Energy Commission programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.

This document has also been reviewed and approved for technical accuracy.


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